

8EHQ-0503-15342

RECEIVED
OPPT NCIC



03 MAY 28 AM 6:13



Certified Mail

May 22, 2003

Document Processing Center
EPA East – Room 6428 Attn: Section 8(e)
Office of Pollution Prevention and Toxics
US EPA
1200 Pennsylvania Avenue NW
Washington DC 20460-0001



Contain - CBI

RE: TSCA 8(E) SUBSTANTIAL RISK NOTICE ON: 1-Butanesulfonamide,
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methyl, (CAS 34454-97-2)

Dear Sirs:

3M has received data for a subchronic oral toxicity study in rats conducted with a chemical intermediate 1-butanesulfonamide, 1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methyl, (CAS 34454-97-2) (fluorochemical alcohol) indicating developmental effects.

The study was conducted by Argus Research; a copy of the final report is enclosed. Male rats were administered the fluorochemical alcohol at doses of 0, 10, 50 or 250 mg/kg/day beginning fourteen days before cohabitation and continuing until after cohabitation, for a minimum of 28 days of dosage. Female rats were administered the substance at the same dosage levels beginning fourteen days before cohabitation and continuing until day 5 of lactation.

In the 250 mg/kg/day dosage group, several significant effects were observed. The number of liveborn pups was significantly decreased and the number of stillborn pups was significantly increased. The number of pups found dead or presumed cannibalized on days 1 and 2 to day 5 postpartum was significantly increased. The viability index and number of pups surviving per litter on postpartum day 5 were significantly reduced. These effects at the highest dosage level (250 mg/kg/day) were not observed in the lower dosage groups.

Additionally, some rats in the 50 and 250 mg/kg/day dosage groups were observed to have significantly increased liver weights and microscopic changes in the liver, thymus and/or stomach.

3M uses the fluorochemical alcohol as a chemical intermediate to manufacture polymeric materials. In the manufacturing setting and as administered during toxicity testing, it contains approximately 93-94% of CAS 34454-97-2 and 4-5% functionally

2003 JUN - 9 AM 9:34
RECEIVED
OPPT NCIC

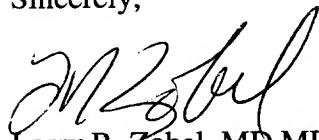
267028

related branched isomers and monohydrides. The fluorochemical alcohol is present in final products at trace amounts.

Please contact James Zappia (651-733-5180) if you have any questions or if we can provide additional information.

Once a docket number has been assigned for this submittal, please send the docket number postal card to Cheri Kedrowski, 3M Center Bldg. 220-2E-02, St. Paul, MN 55144.

Sincerely,



Larry R. Zobel, MD MPH
Staff Vice President and Medical Director

Enclosure

FINAL REPORT

PROTOCOL 418-027

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST

SPONSOR'S STUDY NUMBER: T-7599

FINAL REPORT DATE: 25 MARCH 2003

PROTOCOL 418-027 -

ORAL (GAVAGE) COMBINED REPEATED DOSE
TOXICITY STUDY OF T 7599.7 WITH THE
REPRODUCTION/DEVELOPMENTAL TOXICITY
SCREENING TEST

SPONSOR'S STUDY NUMBER: T-7599

TABLE OF CONTENTS

<u>SUBJECT</u>	<u>PAGE</u>
1. SUMMARY AND CONCLUSION	1-1
1.1. Methods	1-1
1.2. Results - Males	1-3
1.3. Results - Females	1-3
1.4. Conclusion	1-5
2. DESCRIPTION OF TEST PROCEDURES	2-1
2.1. Conduct of Study	2-1
2.2. Test Substance Information	2-3
2.3. Vehicle Information	2-4
2.4. Test Substance Preparation and Storage Conditions	2-5
2.5. Test System	2-6
2.6. Husbandry	2-8
2.7. Methods	2-10
3. RESULTS - Male Rats	3-1
3.1. Mortality, Clinical and Necropsy Observations	3-1

<u>SUBJECT</u>	<u>PAGE</u>
3.2. Terminal Body Weights and Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight and Brain Weight	3-2
3.3. Hematology and Clinical Chemistry	3-2
3.4. Body Weights and Body Weight Changes	3-2
3.5. Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values	3-3
3.6. Mating and Fertility	3-3
3.7. Functional Observational Battery	3-3
3.8. Motor Activity	3-3
4. RESULTS - Female Rats	4-1
4.1. Mortality, Clinical and Necropsy Observations	4-1
4.2. Terminal Body Weights and Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight and Brain Weight	4-2
4.3. Hematology and Clinical Chemistry	4-2
4.4. Body Weights and Body Weight Changes	4-2
4.5. Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values	4-3
4.6. Estrous Cycling, Mating and Fertility	4-3
4.7. Functional Observational Battery	4-4
4.8. Motor Activity	4-4
4.9. Natural Delivery and Litter Observations	4-4
4.10. Pup Clinical and Necropsy Observations	4-5
REFERENCES	4-6
APPENDIX A - REPORT FIGURES	
Figure 1. Body Weights - Male Rats	A-1

<u>SUBJECT</u>		<u>PAGE</u>
Figure 2.	Body Weights - Female Rats	A-2
Figure 3.	Motor Activity - Number of Movements - Male Rats	A-3
Figure 4.	Motor Activity - Time Spent in Movement - Male Rats	A-4
Figure 5.	Motor Activity - Number of Movements - Female Rats	A-5
Figure 6.	Motor Activity - Time Spent in Movement - Female Rats	A-6
APPENDIX B - REPORT TABLES - Fo GENERATION MALE RATS		
Table B1.	Clinical Observations - Summary - Fo Generation Male Rats	B-1
Table B2.	Necropsy Observations - Summary - Fo Generation Male Rats	B-2
Table B3.	Terminal Body Weights and Organ Weights - Summary - Fo Generation Male Rats	B-3
Table B4.	Ratios (%) of Organ Weight to Terminal Body Weight - Summary - Fo Generation Male Rats	B-4
Table B5.	Ratios (%) of Organ Weight to Brain Weight - Summary - Fo Generation Male Rats	B-5
Table B6.	Hematology - Summary - Fo Generation Male Rats	B-6
Table B7.	Clinical Chemistry - Summary - Fo Generation Male Rats	B-9
Table B8.	Body Weights - Summary - Fo Generation Male Rats	B-12
Table B9.	Body Weight Changes - Summary - Fo Generation Male Rats	B-13
Table B10.	Absolute Feed Consumption Values (g/day) - Summary - Fo Generation Male Rats	B-14
Table B11.	Relative Feed Consumption Values (g/kg/day) - Summary - Fo Generation Male Rats	B-15
Table B12.	Mating and Fertility - Summary - Fo Generation Male Rats	B-16
Table B13.	Functional Observational Battery - Summary - Male Rats	B-17
Table B14.	Motor Activity - Summary - Fo Generation Male Rats	B-23

<u>SUBJECT</u>		<u>PAGE</u>
Table B15.	Clinical Observations - Individual Data - Fo Generation Male Rats	B-25
Table B16.	Necropsy Observations - Individual Data - Fo Generation Male Rats	B-30
Table B17.	Terminal Body Weights, Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight - Individual Data - Fo Generation Male Rats	B-34
Table B18.	Brain Weights, Organ Weights and Ratios (%) of Organ Weight to Brain Weight - Individual Data - Fo Generation Male Rats	B-46
Table B19.	Body Weights - Individual Data - Fo Generation Male Rats	B-54
Table B20.	Feed Consumption Values - Individual Data - Fo Generation Male Rats	B-66
Table B21.	Mating and Fertility - Individual Data - Fo Generation Male Rats	B-70
Table B22.	Functional Observational Battery - Individual Data - Male Rats	B-74
Table B23.	Motor Activity - Individual Data - Fo Generation Male Rats	B-78
APPENDIX C - REPORT TABLES - Fo GENERATION FEMALE RATS		
Table C1.	Clinical Observations - Summary - Fo Generation Female Rats	C-1
Table C2.	Necropsy Observations - Summary - Fo Generation Female Rats	C-4
Table C3.	Terminal Body Weights and Organ Weights - Summary - Fo Generation Female Rats	C-5
Table C4.	Ratios (%) of Organ Weight to Terminal Body Weight - Summary - Fo Generation Female Rats	C-6
Table C5.	Ratios (%) of Organ Weight to Brain Weight - Summary - Fo Generation Female Rats	C-7
Table C6.	Hematology - Summary - Fo Generation Female Rats	C-8
Table C7.	Clinical Chemistry - Summary - Fo Generation Female Rats	C-11
Table C8.	Body Weights - Precohabitation - Summary - Fo Generation Female Rats	C-14

<u>SUBJECT</u>	<u>PAGE</u>
Table C9. Body Weight Changes - Precohabitation - Summary - Fo Generation Female Rats	C-15
Table C10. Maternal Body Weights - Gestation - Summary - Fo Generation Female Rats	C-16
Table C11. Maternal Body Weight Changes - Gestation - Summary - Fo Generation Female Rats	C-18
Table C12. Maternal Body Weights - Lactation - Summary - Fo Generation Female Rats	C-19
Table C13. Maternal Body Weight Changes - Lactation - Summary - Fo Generation Female Rats	C-20
Table C14. Absolute Feed Consumption Values (g/day) - Precohabitation - Summary - Fo Generation Female Rats	C-21
Table C15. Relative Feed Consumption Values (g/kg/day) - Precohabitation - Summary - Fo Generation Female Rats	C-22
Table C16. Maternal Absolute Feed Consumption Values (g/day) - Gestation - Summary - Fo Generation Female Rats	C-23
Table C17. Maternal Relative Feed Consumption Values (g/kg/day) - Gestation - Summary - Fo Generation Female Rats	C-24
Table C18. Maternal Absolute Feed Consumption Values (g/day) - Lactation - Summary - Fo Generation Female Rats	C-25
Table C19. Maternal Relative Feed Consumption Values (g/kg/day) - Lactation - Summary - Fo Generation Female Rats	C-26
Table C20. Mating and Fertility, Estrous Cycling and Days in Cohabitation - Summary - Fo Generation Female Rats	C-27
Table C21. Functional Observational Battery - Summary - Female Rats	C-29
Table C22. Motor Activity - Summary - Fo Generation Female Rats	C-35
Table C23. Natural Delivery Observations - Summary - Fo Generation Female Rats	C-37

<u>SUBJECT</u>	<u>PAGE</u>
Table C24. Litter Observations (Naturally Delivered Pups) - Summary - F1 Generation Litters	C-38
Table C25. Clinical Observations from Birth to Day 5 Postpartum - Summary - F1 Generation Pups	C-41
Table C26. Necropsy Observations - Summary - F1 Generation Pups	C-42
Table C27. Clinical Observations - Individual Data - Fo Generation Female Rats	C-43
Table C28. Necropsy Observations - Individual Data - Fo Generation Female Rats	C-48
Table C29. Terminal Body Weights and Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight - Fo Generation Female Rats	C-51
Table C30. Organ Weights and Ratios (%) of Organ Weight to Brain Weight - Individual Data - Fo Generation Female Rats	C-59
Table C31. Body Weights - Precohabitation - Individual Data - Fo Generation Female Rats	C-63
Table C32. Maternal Body Weights - Presumed Gestation - Individual Data - Fo Generation Female Rats	C-67
Table C33. Maternal Body Weights - Lactation - Individual Data - Fo Generation Female Rats	C-71
Table C34. Feed Consumption Values - Precohabitation - Individual Data - Fo Generation Female Rats	C-75
Table C35. Maternal Feed Consumption Values - Presumed Gestation - Individual Data - Fo Generation Female Rats	C-79
Table C36. Maternal Feed Consumption Values - Lactation - Individual Data - Fo Generation Female Rats	C-83
Table C37. Mating and Fertility, Estrous Cycling and Days in Cohabitation - Individual Data - Fo Generation Female Rats	C-87
Table C38. Functional Observational Battery - Individual Data - Female Rats	C-89

<u>SUBJECT</u>		<u>PAGE</u>
Table C39.	Motor Activity - Individual Data - Fo Generation Female Rats	C-93
Table C40.	Natural Delivery, Implantation Sites, and Pup Viability and Sex - Individual Data - Fo Generation Female Rats/F1 Generation Litters	C-101
Table C41.	Pup Body Weight Litter Averages from Birth to Day 5 Postpartum - Individual Data - F1 Generation Litters	C-103
Table C42.	Pup Body Weights from Birth to Day 5 Postpartum - Individual Data - F1 Generation Pups	C-105
Table C43.	Pup Vital Status and Sex from Birth to Day 5 Postpartum - Individual Data - F1 Generation Pups	C-113
Table C44.	Clinical Observations from Birth to Day 5 Postpartum - Individual Data - F1 Generation Pups	C-117
Table C45.	Necropsy Observations - Individual Data - F1 Generation Pups	C-118
APPENDIX D -	PROTOCOL AND AMENDMENTS	D-1 to D-42
APPENDIX E -	DEVIATIONS FROM THE PROTOCOL AND THE STANDARD OPERATING PROCEDURES OF THE TESTING FACILITY	E-1 to E-2
APPENDIX F -	CERTIFICATE OF ANALYSIS	F-1
APPENDIX G -	ANALYTICAL REPORT	G-1
APPENDIX H -	TEMPERATURE AND RELATIVE HUMIDITY REPORT	H-1
APPENDIX I -	POSITIVE CONTROL DATA	I-1 to I-4
APPENDIX J -	HISTOPATHOLOGY REPORT	J-1 to J-110
APPENDIX K -	HEMTOLOGY AND CLINICAL CHEMISTRY REPORTS	K-1 to K-51
APPENDIX L -	STATEMENT OF THE STUDY DIRECTOR	L-1
APPENDIX M-	QUALITY ASSURANCE STATEMENT	M-1 to M-2

TITLE: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY
OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST

ARGUS RESEARCH PROTOCOL NUMBER: 418-027
SPONSOR'S STUDY NUMBER: T-7599

1. SUMMARY AND CONCLUSION

1.1. Methods^a

Sixty male and sixty female Cr:CD®(SD)IGS VAF/Plus® rats were assigned to four dosage groups (Groups I through IV), 15 rats per sex per group. The test substance was T 7599.7 and the vehicle was aqueous 0.5% or 1.0% carboxymethylcellulose (CMC). The 0.5% CMC was used for the first four days of the study and the 1.0% CMC was used for the remainder of the study. The test substance or vehicle was administered to the male rats beginning 14 days before cohabitation and continuing until sacrifice, after completion of the cohabitation period, after a minimum of 28 days of dosage and to the female rats beginning 14 days before cohabitation and continuing until day 5 of lactation (DL 5). Dosages were 0 (Vehicle), 10, 50 and 250 mg/kg/day. The dosage volume was adjusted daily.

Within each dosage group, consecutive order was used to assign the first five male and the first five female rats to a functional observational battery (FOB) and motor activity assessment. The next five rats per sex in each group were assigned to hematology and clinical biochemistry evaluations. The last five rats per sex in each group were assigned to metabolite analysis. Histological evaluations were performed on the last ten rats per sex in each group. Rats were observed for viability at least twice each day of the study. Observations for clinical signs of effects of the test substance, abortions, premature deliveries and deaths were made daily before dosage. Postdosage observations were recorded approximately 60 ± 10 minutes after dosage administration and on the day of sacrifice. Once before the first dosage and at least once weekly thereafter, detailed clinical observations were conducted for all male and female rats. Body weights for male and female rats were recorded daily during the dosage period and at sacrifice. Feed consumption values for male rats were recorded weekly during the dosage period. Feed consumption values for female rats were recorded weekly to cohabitation and on gestation days (DGs) 0, 7, 10, 12, 15, 18, 20 and 25 (if necessary) and on lactation days (DLs) 1 and 5.

-
- a. Detailed descriptions of all procedures used in the conduct of this study are provided in the appropriate sections of this report and in APPENDIX D (PROTOCOL AND AMENDMENTS).

Estrous cycling was evaluated by examination of vaginal cytology beginning with the day after the first administration and then until spermatozoa were observed in a smear of the vaginal contents and/or a copulatory plug was observed *in situ* during the cohabitation period. Female rats were evaluated for adverse clinical signs observed during parturition, duration of gestation, litter sizes and pup viability at birth. Maternal behavior was evaluated on DLs 1 and 5.

Motor activity was evaluated on five male and five female rats per group once during the course of the study, before scheduled sacrifice. Day 1 of lactation was defined as the day of birth and was also the first day on which all pups in a litter were individually weighed. Each litter was evaluated for viability at least twice daily. The pups in each litter were counted twice daily. Clinical observations were recorded once daily. Pup body weights were recorded on DLs 1 and 5. After 36 days of dosage, all male rats were sacrificed and on DL 6, all surviving female rats were sacrificed. A gross necropsy was performed. The testes and epididymides of all male rats were weighed, and the testes, epididymides, seminal vesicles with coagulating gland and prostate were retained. The ovaries and the uterus with cervix of each female rat were weighed, and ovaries, uterus, vagina and a mammary gland were retained.

The following organs were individually weighed: liver, kidneys, adrenals, thymus, testes, epididymides, spleen, brain, heart, ovaries and uterus. The following tissues or representative samples were retained: brain, small and large intestines, lungs, lymph nodes, peripheral nerve, stomach, kidneys, spleen, thymus, trachea, urinary bladder, testes, epididymides, seminal vesicles, prostate, spinal cord, liver, adrenals, heart, thyroid/parathyroid, uterus, bone marrow, ovaries, uterus, vagina, mammary gland (female rats only) and gross lesions. Histological examination was conducted for the assigned ten rats per sex from the control and high dosage groups. Histological evaluations were performed on the livers of ten male and ten female rats, the thymuses of ten female rats and the stomachs of ten male rats in the 10 and 50 mg/kg/day dosage groups.

At scheduled sacrifice, blood was collected from the five male and five female rats per group assigned to hematology and clinical chemistry sample collection. One aliquot was analyzed for hematologic parameters. Two blood smear slides were prepared for each sample for measurements of differential leukocyte count. Plasma from another aliquot was measured for prothrombin time and activated partial thromboplastin time. Serum from a third aliquot was analyzed for clinical chemistry parameters. Blood samples were collected from the five rats per sex per group assigned to metabolite analysis. The liver was excised and the organ weight recorded.

On DL 5, pups were sacrificed and examined for gross lesions. Pups found dead on DLs 2 to 4 were examined for gross lesions and for possible cause of death.

1.2. Results - Males

All male rats survived to scheduled sacrifice. Significant increases in excess salivation, perioral substance and urine-stained abdominal fur occurred in the 250 mg/kg/day dosage group. All other clinical observations and all necropsy observations were considered unrelated to the test substance.

Body weight gains were significantly reduced in the 250 mg/kg/day dosage group on DSs 1 to 8, 1 to 15 and 1 to 36. Body weight gains were also significantly decreased in the 50 mg/kg/day dosage group on DSs 1 to 36. Body weights were significantly reduced on DS 29 and 36 in the 250 mg/kg/day dosage group. Absolute feed consumption values were significantly reduced in the 50 and 250 mg/kg/day dosage groups on DSs 1 to 8 and significantly reduced in the 250 mg/kg/day dosage groups on DSs 1 to 15 and 1 to 36. Relative feed consumption values were significantly reduced on DSs 1 to 8 in the 50 and 250 mg/kg/day dosage groups.

Terminal body weights of the male rats were significantly reduced in the 250 mg/kg/day dosage group. Absolute weights of the left and right kidneys were significantly increased in the 50 and 250 mg/kg/day dosage groups and the absolute weight of the liver was significantly increased in the 250 mg/kg/day dosage group. The ratios of the weights of these organs to terminal body weights were significantly increased in the 50 and 250 mg/kg/day dosage groups. Relative to the brain weight, only the liver weight in the 250 mg/kg/day dosage group was significantly increased. Treatment-related microscopic changes were observed in the liver of male rats in the 50 and 250 mg/kg/day dosage groups and in the stomach of male rats in the 250 mg/kg/day dosage group. Dosages of the test substance as high as 250 mg/kg/day did not affect any hematology or clinical chemistry values evaluated. All mating and fertility parameters were unaffected by dosages of the test substance as high as 250 mg/kg/day.

There were no statistically significant or biologically important differences among the four dosage groups in the measures of the functional observational battery (FOB). Body weights recorded during the functional operational battery for the treated groups were not significantly different than the control group for the male rats. There were no statistically significant or biologically important differences among the four dosage groups in the measures of motor activity on DS 86.

1.3. Results - Females

All female rats survived to scheduled sacrifice. All clinical and necropsy observations were considered unrelated to the test substance. Body weight gains were significantly reduced during the precohition period in the 250 mg/kg/day dosage group on DSs 1 to 8 and 1 to 15. Body weights and body weight gains were not significantly affected by dosages of the test substance during gestation or lactation.

Terminal body weights of the female rats were reduced in the 250 mg/kg/day dosage group. Absolute liver weight was significantly increased in the 250 mg/kg/day dosage group. The ratios of the weight of this organ and the weight of the right kidney to

terminal body weights were significantly increased in the 250 mg/kg/day dosage group. Only the ratio of the liver weight to brain weight in the 250 mg/kg/day dosage group was significantly increased. Treatment-related microscopic changes were observed in the liver and thymus of female rats in the 250 mg/kg/day dosage group.

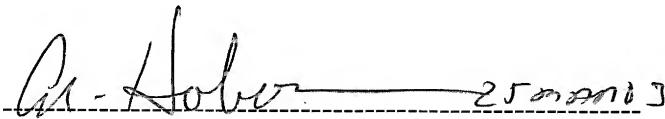
Dosages as high as 250 mg/kg/day did not affect any hematology or clinical chemistry values evaluated. Absolute and relative feed consumption values were not significantly affected by dosages of the test substance during the precohabitation, gestation or lactation periods. All estrous, mating and fertility parameters were unaffected by dosages of the test substance as high as 250 mg/kg/day. There were no statistically significant or biologically important differences among the four dosage groups in the measures of the FOB. Body weights recorded during the functional operational battery for the treated groups were not significantly different than the control group for the female rats. There were no statistically significant or biologically important differences among the four dosage groups in the measures of motor activity on DS 86.

The number of liveborn pups was significantly reduced and number of stillborn pups was significantly increased in the 250 mg/kg/day dosage group. The number of pups found dead or presumed cannibalized on day 1 and days 2 to 5 postpartum was significantly increased in the 250 mg/kg/day dosage groups. The viability index and number of pups surviving per litter on postpartum day 5 were significantly reduced in the 250 mg/kg/day dosage group. Pup body weights per litter were also reduced in the 250 mg/kg/day dosage group on postpartum days 1 and 5.

Values for the numbers of dams delivering litters, duration of gestation, averages for implantation sites per delivered litter, gestation index, numbers of dams with stillborn pups, dams with all pups dying, stillborn pups, surviving pups per litter on postpartum day 1 and pup sex ratios were comparable among the four dosage groups. No clinical or necropsy observations in the F1 generation pups were attributable to dosages of the test substance as high as 250 mg/kg/day.

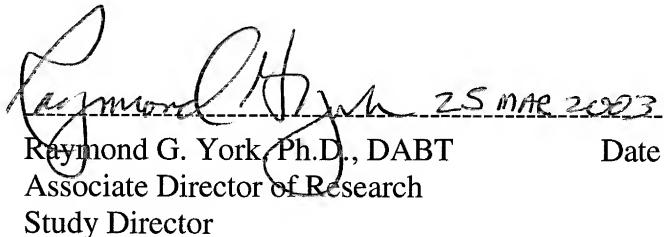
1.4. Conclusion

On the basis of these data, the paternal no-observable-adverse-effect-level (NOAEL) for T 7599.7 is 10 mg/kg/day (the 50 mg/kg/day dosage caused reduced weight gain during precohabitation, reduced absolute and relative feed consumption values, increased absolute and relative liver and kidney weight, and liver histopathology). The maternal NOAEL is 50 mg/kg/day (the 250 mg/kg/day dosage caused reduced weight gain during precohabitation, reduced terminal body weights, increased absolute and relative liver weight, and histopathology of the liver and thymus). The reproductive NOAEL is greater than 250 mg/kg/day (all estrous, mating and fertility parameters were unaffected by dosages of the test substance as high as 250 mg/kg/day). The NOAEL for viability and growth in the offspring is 50 mg/kg/day (dosages of 250 mg/kg/day caused postnatal mortality and decreased pup body weights).



25 MAR 2023

Alan M. Hoberman, Ph.D., DABT Date
Director of Research



25 MAR 2023

Raymond G. York, Ph.D., DABT Date
Associate Director of Research
Study Director

2. DESCRIPTION OF TEST PROCEDURES**2.1. Conduct of Study****2.1.1. Sponsor**

3M Corporate Toxicology, 3M Center, Building 220-2E-02, St. Paul, Minnesota
55144-1000

2.1.2. Testing Facility

Argus Research, 905 Sheehy Drive, Building A, Horsham, Pennsylvania 19044-1297

2.1.3. Study Number

418-027

2.1.4. Sponsor's Study Number

T-7599

2.1.5. Purpose of the Study

The purpose of this study was to provide information on the possible health hazards that may result from repeated exposure of Crl:CD®(SD)IGS BR VAF/Plus® male and female rats to a test substance beginning before cohabitation, through mating and continuing for at least 28 days (male rats) or through parturition until day 5 of lactation (female rats). This repeated dose study incorporated a reproduction/developmental toxicity screening test to provide initial information on possible effects on male and female reproductive performance (e.g., gonadal function, mating behavior, conception, development of the conceptus and parturition). The study also placed emphasis on neurological effects as a specific endpoint and was designed to identify the neurotoxic potential of a test substance, which may warrant further in-depth investigation.

2.1.6. Study Design

The requirements of the Organisation for Economic Co-operation and Development (OECD)⁽¹⁾ were used as the basis for study design.

2.1.7. Regulatory Compliance

This study was conducted in compliance with Good Laboratory Practice (GLP) regulations of the Organisation for Economic Co-operation and Development (OECD)⁽²⁾, U.S. Food and Drug Administration (FDA)⁽³⁾ and the Japanese Ministry of Health and Welfare (MHW)⁽⁴⁾. There were no deviations from the GLP regulations that affected the quality or integrity of the study. Quality Assurance Unit findings derived from the inspections during the conduct of this study are documented and have been provided to the Study Director and the Testing Facility Management.

2.1.8. Ownership of the Study

The Sponsor owns the study. All raw data, analyses, reports and preserved tissues are the property of the Sponsor.

2.1.9. Study Monitor

Paul H. Lieder, Ph.D., DABT

2.1.10. Study Director

Raymond G. York, Ph.D., DABT, Associate Director of Research
Address as cited above for Testing Facility

2.1.11. Technical Performance

John F. Barnett, B.S. (Director of Laboratory Operations)
Christine A. O'Brien (Research Associate)
Lorna A. Sinotte, B.S. (Laboratory Technician)
Stephanie M. Dorizio, B.A. (Necropsy Laboratory Technician)
Christopher K. Ruppert, B.S. (Formulation Laboratory Technician)

2.1.12. Report Preparation

Raymond G. York, Ph.D., DABT
Jo Ann Frazee, M.S. (Study Coordinator)
JoAnne M. Conklin, B.S. (Data Management Specialist)
Jennifer M. Hughes (Report Administrator)

2.1.13. Report Review

Mildred S. Christian, Ph.D., Fellow, ATS (Executive Director of Research)
Alan M. Hoberman, Ph.D., DABT (Director of Research)

2.1.14. Date Protocol Signed

15 February 2002

2.1.15. Dates of Technical Performance

2.1.15.1. Male Rats

Rat Arrival	12 FEB 02
Dosage Period (14 days before cohabitation and through a 14-day cohabitation period until sacrifice after at least 28 days of dosage)	18 FEB 02 - 25 MAR 02
FOB and Motor Activity Evaluation	19 MAR 02 - 20 MAR 02
Scheduled Sacrifice	26 MAR 02

2.1.15.2. Female Rats

Rat Arrival	12 FEB 02
Dosage Period (14 days before cohabitation through DL ^a 5)	18 FEB 02 - 12 APR 02
Dosage Period Estrous Cycle Evaluation	19 FEB 02 - 04 MAR 02
Cohabitation Period	
Male 1	04 MAR 02 PM - 11 MAR 02 AM
Male 2	11 MAR 02 PM - 18 MAR 02 AM
DG ^b 0	05 MAR 02 - 17 MAR 02
Delivery Period ^c (DL 1)	27 MAR 02 - 08 APR 02
DG 25 Sacrifice (Rats that did not deliver a litter)	30 MAR 02 - 12 APR 02
FOB Evaluation and Motor Activity Evaluation	31 MAR 02 - 12 APR 02
Pup Sacrifice (DL 5)	31 MAR 02 - 12 APR 02
Scheduled Sacrifice (DL 6)	01 APR 02 - 13 APR 02

2.1.16. Records Maintained

The original report, raw data and reserve samples of each lot of bulk test substance and bulk vehicle components are retained in the archives of Argus Research. Any preserved tissues are retained in the archives of the Testing Facility for one year after the mailing of the draft final report, after which time the Sponsor will decide their final disposition. All unused prepared formulations were discarded at the Testing Facility. Unused bulk test substance will be returned to the Sponsor.

2.2. Test Substance Information

2.2.1. Description

T 7599.7 - amber waxy solid

-
- a. DL is an abbreviation for day of lactation.
 - b. DG is an abbreviation used for day of (presumed) gestation.
 - c. The day of birth is designated lactation day 0 (postpartum day 0) in the Health Effects Test Guidelines - Reproduction and Fertility Effects (Office of Prevention, Pesticides and Toxic Substances 870.3800, August, 1998) and in the OECD Guideline for the Testing of Chemicals - Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test (Section 4, No. 422, 22 March 1966). This same day is designated day 1 postpartum (day 1 of lactation) in the Standard Operating Procedures of the Testing Facility. Throughout this study, the day of birth was designated day 1 postpartum (day 1 of lactation) and all subsequent ages of the F1 generation rats and days of the lactation period were determined and cited accordingly.

2.2.2. Lot Number

6

2.2.3. Date Received and Storage Conditions

The test substance was received on 18 February 2002 and stored at room temperature, protected from light.

2.2.4. Special Handling Instructions

Standard safety precautions (use of protective clothing, gloves, dust-mist/HEPA-filtered mask, safety goggles or safety glasses and a face-shield) were worn during formulation preparation and dosage. A half-face respirator was worn when the bulk test substance was not being used in a chemical fume hood.

2.2.5. Analysis of Purity

Information to document or certify the identity, composition, method of synthesis, strength and purity of the test substance was provided by the Sponsor to the Testing Facility. A Certificate of Analysis is available in APPENDIX F.

2.3. Vehicle Information**2.3.1. Description**

Aqueous 0.5% or 1.0% carboxymethylcellulose (CMC) (medium viscosity) prepared carboxymethylcellulose, an off-white powder, and reverse osmosis membrane processed water.

The 0.5% CMC was used for the first four days of the study. Beginning 22 February 2002, the 1.0% CMC was used for the remainder of the study.

2.3.2. Lot Number

120K0252

2.3.3. Date Received and Storage Conditions

The carboxymethylcellulose was received on 11 September 2001 from Sigma Chemical Co., St. Louis, Missouri, and stored at room temperature. R.O. deionized water is available from a continuous source at the Testing Facility and is maintained at room temperature.

2.3.4. Special Handling Instructions

Standard safety precautions (use of protective clothing, gloves, dust-mist/HEPA-filtered mask, safety goggles or safety glasses and a face-shield) were taken when handling the vehicle components and prepared vehicle.

2.3.5. Analysis of Purity

Neither the Sponsor nor the Study Director was aware of any potential contaminants likely to have been present in the vehicle that would have interfered with the results of this study. The expiration date of the carboxymethylcellulose is September 2005.

2.4. Test Substance Preparation and Storage Conditions

Formulations were prepared weekly at the Testing Facility. Prepared test substance and vehicle formulations were stored refrigerated, protected from light.

2.4.1. Sample Information

Sample Type	Size	Date Retained	Storage/Shipping Conditions	Shipped To	Date Shipped
Bulk Test Substance	5 g 1 g	26 FEB 02 ^a 12 APR 02 ^b	Room temperature, protected from light	SRI ^c	26 FEB 02 15 APR 02
Concentration ^d (all levels)	2 mL 2 mL	03 APR 02 ^e 04 APR 02 ^f	Refrigerated, protected from light	SRI ^c	03 APR 02 04 APR 02
Homogeneity ^g (all levels)	2 mL 2 mL	18 FEB 02 28 FEB 02	Refrigerated, protected from light	SRI ^c	18 FEB 02 28 FEB 02
Stability ^h	2 mL 2 mL	18 FEB 02 ⁱ 28 FEB 02 ^j	Refrigerated, protected from light	SRI ^c	18 FEB 02 28 FEB 02
Bulk Test Substance Reserve	1 g	22 APR 02	Room temperature, protected from light	Testing Facility Archives	23 APR 02
Vehicle Components Reserve			Room temperature	Testing Facility Archives	
Carboxymethylcellulose	1 g	22 APR 02			23 APR 02
R.O. Deionized Water	1 g	22 APR 02			23 APR 02

- a. A sample of the bulk test substance was retained for use in the preparation of analytical standards and for possible spectrophotometric analysis.
- b. A sample of the bulk test article was retained on the last day of dosage administration and shipped for analysis.
- c. Southern Research Institute, Birmingham, Alabama.
- d. Quadruplicate samples were taken from each concentration on the last day of preparation. Two samples from each quadruplicate set were shipped for analysis. The remaining samples were retained at the Testing Facility as backup samples.
- e. Sample for 1 mg/mL.
- f. Samples for 0, 5 and 25 mg/mL.
- g. Quadruplicate samples were taken from the top, middle and bottom of each concentration on the first day of preparation. Two samples of each quadruplicate set were shipped for analysis. The remaining samples were retained at the Testing Facility as backup samples.
- h. Two sets of duplicate samples from each concentration were taken on the first day of preparation. One sample of each duplicate set was shipped for analysis. These samples were analyzed as soon after preparation as possible and ten days after the first analysis. The remaining samples were retained at the Testing Facility as backup samples.
- i. Prepared using 0.5% carboxymethylcellulose.
- j. Prepared using 1.0% carboxymethylcellulose.

2.4.2. Analytical Results

Results of the analytical analyses are available in APPENDIX G.

2.5. Test System

2.5.1. Species

Rat

2.5.2. Strain

Crl:CD®(SD)IGS BR VAF/Plus®

2.5.3. Supplier (Source)

Charles River Laboratories, Inc., Raleigh, North Carolina

2.5.4. Sex

Male and Female

2.5.5. Rationale for Test System

The Crl:CD®(SD)IGS BR VAF/Plus® rat was selected as the Test System because: 1) it is one mammalian species accepted for use in toxicity studies and it has been widely used throughout industry; 2) this strain of rat has been demonstrated to be sensitive to reproductive and developmental toxins; and 3) historical data and experience exist at the Testing Facility⁽⁵⁻⁷⁾.

2.5.6. Test System Data

2.5.6.1. Male Rats

Number of Rats	70
Approximate Date of Birth	04 DEC 01
Approximate Age at Arrival	71 days
Weight (g) the Day after Arrival	282 - 333
Weight (g) at Study Assignment	303 - 354

2.5.6.2. Female Rats

Number of Rats	70
Approximate Date of Birth	10 DEC 01
Approximate Age at Arrival	65 days
Weight (g) the Day after Arrival	185 - 226
Weight (g) at Study Assignment	210 - 230

2.5.7. Method of Randomization

Upon arrival, the male and female rats were assigned to individual housing on the basis of computer-generated random units. After an acclimation period of at least five days, male and female rats were selected for study on the basis of physical appearance and body weights recorded during acclimation. The rats were assigned to four dosage groups (Groups I through IV), 15 rats per sex per group, using a computer-generated (weight-ordered) randomization procedure.

Within each dosage group, consecutive order was used to assign the first five male and the first five female rats to a functional observational battery (FOB) and motor activity assessment. The next five rats per sex in each group were assigned to hematology and clinical biochemistry evaluations. The last five rats per sex in each group were assigned

to metabolite analysis. Histological evaluations were performed on the last ten rats per sex in each group.

2.5.8. System of Identification

Male and female rats assigned temporary numbers at receipt and given unique permanent identification numbers when assigned to the study. Rats were permanently identified using Monel® self piercing ear tags (Gey Band and Tag Co., Inc., No. MSPT 20101). Cage tags were marked with the study number, permanent rat number, sex, test substance identification, generation and dosage level.

Pups were not individually identified during lactation; all parameters were evaluated in terms of the litter.

2.6. Husbandry

2.6.1. Research Facility Registration

USDA Registration No. 14-R-0144 under the Animal Welfare Act, 7 U.S.C. 2131 *et seq.*

2.6.2. Study Room

The study room was maintained under conditions of positive airflow relative to a hallway and independently supplied with a minimum of ten changes per hour of 100% fresh air that had been passed through 99.97% HEPA filters. Room temperature and humidity were monitored constantly throughout the study. Room temperature was targeted at 66°F to 77°F (19°C to 25°C); relative humidity was targeted at 30% to 70%^a.

2.6.3. Housing

F0 generation rats were individually housed in stainless steel wire-bottomed cages except during cohabitation period and postpartum periods. During cohabitation, each pair of male and female rats was housed in the male rat's cage. Beginning no later than DG 20, F0 generation female rats were individually housed in nesting boxes. Each dam and delivered litter was housed in a common nesting box during the postpartum period. All cage sizes and housing conditions were in compliance with the *Guide for the Care and Use of Laboratory Animals*⁽⁸⁾.

2.6.4. Lighting

An automatically-controlled fluorescent light cycle was maintained at 12-hours light: 12-hours dark, with each dark period beginning at 1900 hours EST.

a. See APPENDIX H (TEMPERATURE AND RELATIVE HUMIDITY REPORT).

2.6.5. Sanitization

Cage pan liners were changed at least three times weekly. Cages were changed approximately every other week. Bedding was changed as often as necessary to keep the rats dry and clean.

2.6.6. Feed

Rats were given *ad libitum* access to Certified Rodent Diet®#5002 (PMI Nutrition International, Inc., St. Louis, Missouri) in individual feeders. Rats were fasted overnight before sacrifice.

2.6.7. Feed Analysis

Analyses were routinely performed by the feed supplier. No contaminants at levels exceeding the maximum concentration for certified feed or deviations from expected nutritional requirements were detected by these analyses. Copies of the results of the feed analyses are available in the raw data.

Neither the Sponsor nor the Study Director was aware of any potential contaminants likely to have been present in the feed that would have interfered with the results of this study.

2.6.8. Water

Local water that had been processed by passage through a reverse osmosis membrane (R.O. water) was available to the rats *ad libitum* from an automatic watering access system and/or individual water bottles attached to the cages. Chlorine was added to the processed water as a bacteriostat.

2.6.9. Water Analysis

The processed water is analyzed twice annually for possible chemical contamination (Lancaster Laboratories, Lancaster, Pennsylvania) and monthly for possible bacterial contamination (Analytical Laboratories, Inc., Chalfont, Pennsylvania). Copies of the results of the water analyses are available in the raw data.

Neither the Sponsor nor the Study Director was aware of any potential contaminants likely to have been present in the water that would have interfered with the results of this study.

2.6.10. Bedding Material

Bed-o'cobs® bedding (The Andersons Industrial Products Group, Maumee, Ohio) was used as the nesting material.

2.6.11. Bedding Analysis

Analyses for possible contamination are conducted semi-annually. Copies of the results of the bedding analyses are available in the raw data.

Neither the Sponsor nor the Study Director was aware of any potential contaminants likely to have been present in the bedding that would have interfered with the results of this study.

2.7. Methods

2.7.1. Dosage Administration

Dosage Group	Dosage ^a (mg/kg/day)	Concentration (mg/mL)	Dosage Volume (mL/kg)	Number of Rats per Sex	Assigned Numbers	
					Male Rats	Female Rats
I	0 (Vehicle)	0	10	15	17601, 17602, 17603, 17604, 17607, 17608, 17618, 17630, 17631, 17639, 17648, 17652, 17656, 17658, 17660	17662, 17672, 17673, 17674, 17680, 17681, 17690, 17694, 17695, 17703, 17713, 17715, 17716, 17717, 17719
II	10	1	10	15	17615, 17616, 17624, 17626, 17632, 17634, 17635, 17638, 17642, 17643, 17645, 17649, 17651, 17653, 17655	17663, 17665, 17666, 17668, 17671, 17675, 17679, 17684, 17688, 17698, 17702, 17704, 17707, 17708, 17710
III	50	5	10	15	17605, 17610, 17611, 17613, 17619, 17620, 17623, 17627, 17628, 17633, 17640, 17646, 17650, 17657, 17659	17661, 17667, 17669, 17670, 17676, 17687, 17693, 17697, 17700, 17701, 17705, 17706, 17709, 17718, 17720
IV	250	25	10	15	17606, 17609, 17612, 17614, 17617, 17621, 17622, 17625, 17629, 17636, 17637, 17641, 17644, 17647, 17654	17664, 17677, 17678, 17682, 17683, 17685, 17686, 17689, 17691, 17692, 17696, 17699, 17711, 17712, 17714

a. The test substance was considered 100% pure for the purpose of dosage calculations.

2.7.2. Rationale for Dosage Selection

Dosages were selected by the Sponsor based on previous studies conducted with the test substance, taking into account possible differences in sensitivity between pregnant and nonpregnant rats. The highest dosage was expected to cause toxic effects but not mortality or obvious suffering. The descending sequence of the lower dosage levels were selected for the purpose of demonstrating any dosage-related response, with no adverse effects expected at the lowest level.

2.7.3. Route and Rationale for Route of Administration

The oral (gavage) route was selected for use because: 1) in comparison with the dietary route, the exact dosage can be accurately administered; and 2) it is one possible route of human exposure.

2.7.4. Method and Frequency of Administration

2.7.4.1. F0 Generation Rats

Male rats were administered the test substance and/or the vehicle once daily beginning 14 days before cohabitation (maximum 14 days) and continuing until sacrifice, after completion of the cohabitation period, after a minimum of 28 days of dosage. Female rats were administered the test substance and/or the vehicle once daily beginning 14 days before cohabitation (maximum 14 days) and continuing until DL 5. The dosage volume was adjusted daily on the basis of the individual body weights recorded before intubation^a. The rats were intubated once daily at approximately the same time each day.

2.7.4.2. F1 Generation Pups

F1 generation pups were not directly administered the test substance and/or vehicle, but may have been possibly exposed to test substance and/or vehicle during maternal gestation (*in utero* exposure) or via maternal milk during the lactation period.

2.7.5. Method of Study Performance

2.7.5.1. F0 Generation Rats

Within each dosage group, consecutive order was used to assign rats to cohabitation, one male rat per female rat. The cohabitation period consisted of a maximum of 14 days. Female rats with spermatozoa observed in a smear of the vaginal contents and/or a copulatory plug *in situ* were considered to be DG 0 and assigned to individual housing. Female rats that were not mated with a male rat within the first seven days of cohabitation were assigned an alternate male rat that had mated (same dosage group) and remained in cohabitation for a maximum of seven additional days.

Rats were observed for viability at least twice each day of the study. Rats were examined for clinical observations and general appearance weekly during the acclimation period. Observations for clinical signs of effects of the test substance, abortions, premature deliveries and deaths were made daily before dosage. On the first day of dosage, postdosage observations were recorded at approximately hourly intervals for the first four hours after administration. The observation at four hours after administration was at the end of the normal working day. Postdosage observations for subsequent days of dosage were recorded approximately 60 ± 10 minutes after dosage administration and on the day of sacrifice^b.

Once before the first dosage and at least once weekly thereafter, detailed clinical observations were conducted for all male and female rats. These observations were made

-
- a. See APPENDIX E (DEVIATIONS FROM THE PROTOCOL AND THE STANDARD OPERATING PROCEDURES OF THE TESTING FACILITY), item 1.
 - b. See APPENDIX E, items 2 and 3.

outside the cage in a standard arena at the same time each day of conduct. Effort was made to ensure that variations in the test conditions were minimal and that observations were conducted by observers unaware of treatment groups. Signs noted included, but were not limited to: changes in skin, fur, eyes, mucous membranes, occurrence of secretions and excretions and autonomic activity (e.g., lacrimation, piloerection, pupil size, unusual respiratory pattern). Changes in gait, posture and response to handling as well as the presence of clonic or tonic movements, stereotypic behavior (e.g., excessive grooming, repetitive circling), difficult or prolonged parturition or bizarre behavior (e.g., self-mutilation, walking backwards) were also recorded.

Body weights for male and female rats were recorded weekly during the acclimation period, daily during the dosage period and at sacrifice. Feed consumption values for male rats were recorded weekly during the dosage period. Feed left was recorded on the day before sacrifice. Feed consumption values for female rats were recorded weekly to cohabitation and on DGs 0, 7, 10, 12, 15, 18, 20 and 25 (if necessary) and on DLs 1 and 5. Feed left was recorded on the day before sacrifice. During cohabitation, when two rats occupied the same cage with one feed jar, replenishment of feed jars was documented but individual values were not recorded or tabulated. Male and female rats were fasted overnight before sacrifice.

Estrous cycling was evaluated by examination of vaginal cytology beginning with the day after the first administration and then until spermatozoa were observed in a smear of the vaginal contents and/or a copulatory plug was observed *in situ* during the cohabitation period.

Female rats were evaluated for adverse clinical signs observed during parturition, duration of gestation (DG 0 to the day the first pup was observed), litter sizes (all pups delivered) and pup viability at birth. Maternal behavior was evaluated on DLs 1 and 5. Variations from expected maternal behavior were recorded, if and when present, on all other days of the postpartum period.

On one occasion during the course of the study, shortly before scheduled sacrifice, a functional observational battery (FOB)⁽⁹⁻¹²⁾ was conducted on five male and five female rats per group. For male rats, this assessment was conducted approximately one week before scheduled sacrifice. Female rats were tested during the lactation period, the day before scheduled sacrifice. To avoid hyperthermia of pups, dams were separated from their litters for no longer than 30 to 40 minutes.

The FOB evaluation was conducted by an observer unaware of the group assignment of the rat. The following parameters were assessed:

1. Lacrimation, salivation, palpebral closure, prominence of the eye, pupillary reaction to light, piloerection, respiration, and urination and defecation (autonomic functions).

2. Sensorimotor responses to visual, auditory, tactile and painful stimuli (reactivity and sensitivity).
3. Reactions to handling and behavior in the open field (excitability).
4. Gait pattern in the open field, severity of gait abnormalities, air righting reaction, visual placing response and landing foot splay (gait and sensorimotor coordination).
5. Forelimb and hindlimb grip strength.
6. Abnormal clinical signs including but not limited to convulsions, tremors and other unusual behavior, hypotonia or hypertonia, emaciation, dehydration, unkempt appearance and deposits around the eyes, nose or mouth.

The ability of this battery to detect the effects of positive control substances has been established (Testing Facility Positive Control Data) and is available in APPENDIX I.

Motor activity was evaluated on five male and five female rats per group once during the course of the study. For male rats, this assessment was conducted approximately one week before scheduled sacrifice. Female rats were tested during the lactation period, the day before scheduled sacrifice.

The movements of each rat were monitored by a passive infrared sensor mounted outside a stainless steel, wire-bottomed cage (40.6 x 25.4 x 17.8 cm). Each test session was 1.5 hours in duration with the number of movements and time spent in movement tabulated at each five-minute interval. The apparatus monitored a rack of up to 32 cages and sensors during each session, with each rat tested in the same location on the rack across test sessions. Groups were counterbalanced across testing sessions and cages. Data demonstrating that the test system is capable of detecting increases in activity produced by positive control substances (Testing Facility Positive Control Data) is available in APPENDIX I.

2.7.5.2. F1 Generation Pups

Day 1 of lactation (postpartum) was defined as the day of birth and was also the first day on which all pups in a litter were individually weighed (pup body weights were recorded after all pups in a litter were delivered and groomed by the dam).

Each litter was evaluated for viability at least twice daily. The pups in each litter were counted once daily. Clinical observations were recorded once daily. Pup body weights were recorded on DLs 1 and 5 (terminal weight).

2.7.6. Gross Necropsy

2.7.6.1. Fo Generation Rats

After 36 days of dosage, all male rats were sacrificed on the day following the last dosage, day 37 of study (DS 37) and on DL 6, all surviving female rats were sacrificed. Rats were sacrificed by carbon dioxide asphyxiation, and a gross necropsy of the thoracic, abdominal and pelvic viscera was performed. Gross necropsy of all male and female rats included an initial physical examination of external surfaces and all orifices, as well as the cranial, thoracic and abdominal cavities and their contents. Special attention was paid to the organs of the reproductive system. The number of implantation sites and corpora lutea were recorded. Tissue trimming and histopathology was performed under the supervision of or by a Board-Certified Veterinary Pathologist. Gross lesions were retained in neutral buffered 10% formalin and examined histologically. Representative photographs of gross lesions are available in the raw data.

The testes and epididymides of all male rats were weighed, and the testes, epididymides, seminal vesicles with coagulating gland and prostate were retained in neutral buffered 10% formalin. The testes were fixed in Bouin's solution for 48 to 96 hours before being retained in neutral buffered 10% formalin. The ovaries and the uterus with cervix of each female rat were weighed, and ovaries, uterus, vagina and a mammary gland were retained in neutral buffered 10% formalin. Uteri of apparently nonpregnant rats were examined after being pressed between glass plates to confirm the absence of implantation sites, and retained in neutral buffered 10% formalin.

Ten rats per sex per group not assigned to functional observational battery and motor activity tests were assigned to histological evaluations. The following organs were excised, trimmed and individually weighed as soon as possible after excision to avoid drying: liver, kidneys, adrenals, thymus, testes, epididymides, spleen, brain, heart, ovaries and uterus (with cervix)^a. The following tissues or representative samples were retained in neutral buffered 10% formalin: brain (representative regions including cerebrum, cerebellum, pons), small and large intestines (including Peyer's patches), lungs (perfused with neutral buffered 10% formalin), lymph nodes (submandibular and mediastinal), peripheral nerve (sciatic), stomach, kidneys, spleen, thymus, trachea, urinary bladder, testes (fixed in Bouin's solution for 48 to 96 hours before being retained in neutral buffered 10% formalin), epididymides, seminal vesicles (with coagulating gland), prostate, spinal cord (cervical, thoracic and lumbar), liver, adrenals, heart, thyroid/parathyroid, uterus, bone marrow, ovaries, uterus, vagina, mammary gland (female rats only) and gross lesions. Histological examination of retained tissues, including reproductive organs, was conducted for the assigned ten rats per sex from the control and high dosage groups. Histological evaluations were performed on the livers of ten male and ten female rats, the thymuses of ten female rats and the stomachs of ten male rats in the 10 and 50 mg/kg/day dosage groups. Tissues to be examined

a. See APPENDIX E, item 4.

histologically were shipped to Research Pathology Services, Inc., New Britain, Pennsylvania for evaluation. Results of the histological evaluation are available in APPENDIX J.

At scheduled sacrifice, the five male and five female rats per group assigned to hematology and clinical chemistry sample collection were exsanguinated from the inferior vena cava following sacrifice. Rats were fasted overnight before sacrifice. Approximately 5 mL of blood was collected. The tubes containing the samples were labeled with the protocol number, Sponsor study number, animal number, group number, dosage level, day of study, collection interval, date of collection, species, generation and storage conditions.

Approximately 1 mL of blood was collected into EDTA-coated tubes and maintained on wet ice or refrigerated until shipment for analysis of the following hematologic parameters: erythrocyte count (RBC), hematocrit (HCT), hemoglobin (HGB), mean corpuscular hemoglobin (MCH), mean corpuscular hemoglobin concentration (MCHC), mean corpuscular volume (MCV), total leukocyte count (WBC), differential leukocyte count, platelet count (PLAT), mean platelet volume (MPV) and cell morphology. Two blood smear slides were prepared at the Testing Facility for each sample for measurements of differential leukocyte count.

Approximately 1.8 mL of blood was added to a tube containing 0.2 mL of sodium citrate (0.129 M). The contents were mixed and maintained on wet ice until the tubes were centrifuged (within 30 minutes of the collection time). The resulting plasma was transferred to a transport tube and immediately frozen^a. Plasma samples were maintained on dry ice or in a freezer ($\leq -70^{\circ}\text{C}$) until shipped for measurement of prothrombin time (PT) and activated partial thromboplastin time (APTT).

Approximately 2 mL of blood was collected into serum separator tubes and centrifuged. The resulting sera samples were immediately frozen on dry ice and maintained frozen ($\leq -70^{\circ}\text{C}$) until shipment for analysis of the following parameters: total protein (TP), triglycerides (TRI), albumin (A), globulin (G), albumin/globulin Ratio (A/G), glucose (GLU), cholesterol (CHOL), total bilirubin (TBILI), urea nitrogen (BUN), creatinine (CREAT), alanine aminotransferase (ALT), aspartate aminotransferase (AST), alkaline phosphatase (ALK), calcium (CA), phosphorus (PHOS), sodium (NA), potassium (K) and chloride (CL)^a.

Samples for hematology and clinical chemistry analyses were shipped to Redfield Laboratories, A Division of CRL-DDS, Redfield, Arkansas. Results of these analyses are available in APPENDIX K.

Blood samples (approximately 3 mL) were collected from the five rats per sex per group assigned to metabolite analysis. Blood was collected from the vena cava. Each sample was divided into two aliquots. One aliquot of 2 mL was transferred into an EDTA-coated (purple top) tube and refrigerated. The second aliquot (approximately 1 mL) was

a. See APPENDIX E, item 5.

transferred into a serum tube, allowed to clot and spun in a centrifuge. The resulting serum was transferred into polypropylene tubes labeled with the protocol number, Sponsor study number, animal number, group number, dosage level, day of study, collection interval, date of collection, species, generation and storage conditions. All samples were immediately frozen on dry ice and maintained frozen ($\leq -70^{\circ}\text{C}$) until shipment for analysis.

The liver was excised and the organ weight recorded. One lobe (right lateral) was placed in a conical tube and flash frozen in an ice/alcohol bath. Liver samples were maintained frozen ($\leq -70^{\circ}\text{C}$) until shipment for analysis.

Liver and serum samples were shipped on dry ice and whole blood will be shipped on ice packs. Samples to be analyzed were shipped to Southern Research Institute, Birmingham, Alabama, for analysis. Results of these analyses are available in APPENDIX K.

Female rats that did not deliver a litter were sacrificed on DG 25. Gross necropsy, examination and tissue retention were conducted as described above for rats at scheduled sacrifice.

Dams with no surviving pups were sacrificed after the last pup was found dead, missing or presumed cannibalized. Gross necropsy, examination and tissue retention was conducted as described above for rats at scheduled sacrifice. Gross lesions were preserved in neutral buffered 10% formalin for possible future evaluation. Representative photographs of gross lesions are available in the raw data.

2.7.6.2. F1 Generation Pups

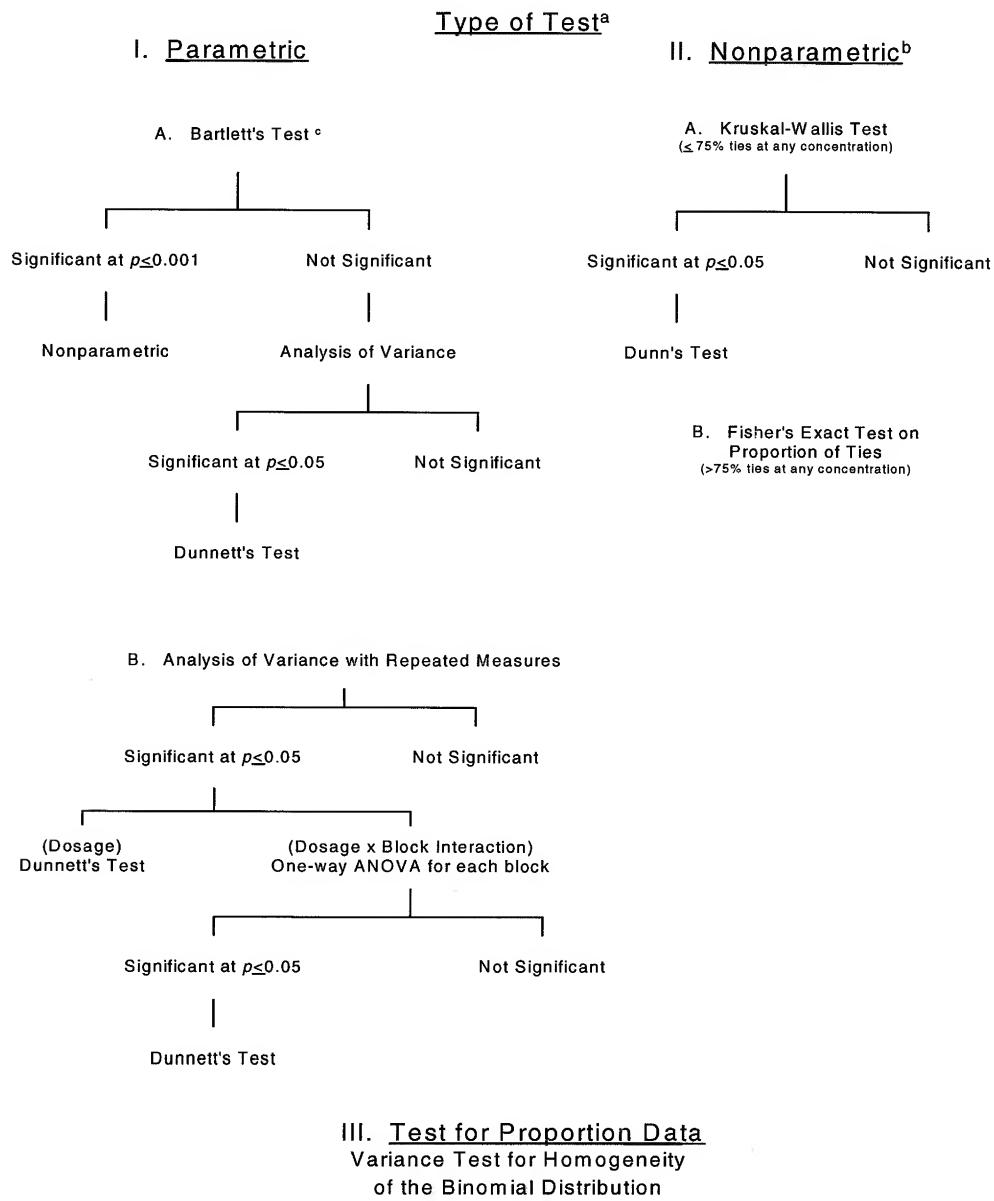
On DL 5, pups were sacrificed by carbon dioxide asphyxiation and examined for gross lesions. Necropsy included a single cross-section of the head at the level of the frontal-parietal suture and examination of the cross-sectioned brain for apparent hydrocephaly. Gross lesions were preserved in neutral buffered 10% formalin for possible future evaluation. Representative photographs of gross lesions are available in the raw data.

Pups that died before initial examination of the litter for pup viability were evaluated for vital status at birth. The lungs were removed and immersed in water. Pups with lungs that sank were identified as stillborn; pups with lungs that floated were identified as liveborn, and to have died shortly after birth. Pups found dead on DLs 2 to 4 were examined for gross lesions and for the cause of death.

2.7.7. Data Collection and Statistical Analyses

Data generated during the course of this study were recorded either by hand or using the *Argus Automated Data Collection and Management System*, the *Vivarium Temperature and Relative Humidity Monitoring System*, the *Coulbourn Instruments Passive Infrared Motor Activity System*, the *Coulbourn Instruments Auditory Startle System*, the *Coulbourn Instruments Spatial Delayed Alternation System*, and/or the passive avoidance software. All data were tabulated, summarized and/or statistically analyzed using the *Argus Automated Data Collection and Management System*, the *Vivarium Temperature and Relative Humidity Monitoring System*, *Microsoft Excel* [part of Microsoft Office 97 (version SR-2)] and/or *The SAS System* (version 6.12).

Averages and percentages were calculated. Litter values were used where appropriate. The following schematic represents the statistical analyses of the data:



-
- Statistically significant probabilities are reported as either $p \leq 0.05$ or $p \leq 0.001$.
 - Proportion data are not included in this category.
 - Test for homogeneity of variance.

Adult data was evaluated with the individual rat as the unit measured. Litter values were used in evaluation of pup data, as appropriate.

Variables with interval or ratio scales of measurement, such as body weights, feed consumption values, latency and errors per trial scores in behavioral tests and percent mortality per litter were analyzed as described under the Parametric heading of the schematic. Bartlett's Test of Homogeneity of Variances⁽¹³⁾ was used to estimate the probability that the dosage groups have different variances. A non-significant result ($p>0.001$) indicated that an assumption of homogeneity of variance was not inappropriate, and the data was compared using the Analysis of Variance⁽¹⁴⁾. If that test was significant ($p\leq 0.05$), the groups given the test substance were compared with the control group using Dunnett's Test⁽¹⁵⁾. If Bartlett's Test was significant ($p\leq 0.001$), the Analysis of Variance Test was not appropriate, and the data was analyzed as described under the Nonparametric heading of the schematic. When 75% or fewer of the scores in all the groups were tied, the Kruskal-Wallis Test⁽¹⁶⁾ was used to analyze the data, and in the event of a significant result ($p\leq 0.05$), Dunn's Test⁽¹⁷⁾ was used to compare the groups given the test substance with the control group. When more than 75% of the scores in any dosage group were tied, Fisher's Exact Test⁽¹⁸⁾ was used to compare the proportion of ties in the groups.

Data from the motor activity test, with measurements recorded at intervals (Blocks) throughout each test session, were analyzed using an Analysis of Variance with Repeated Measures⁽¹⁹⁾, as described under that heading in the schematic. A significant result ($p\leq 0.05$) in that test could have appeared as effect of Dosage (differences among dosage groups in the totals of all measurements in a session) or as an interaction between Dosage and Block (differences in the patterns of dosage group values across the measurement periods). If the Dosage effect was significant, the totals for the control group and the groups given the test substance were compared using Dunnett's Test⁽¹⁵⁾. If the Dosage x Block interaction was significant, an Analysis of Variance⁽¹⁴⁾ was used to evaluate the data at each measurement period, and a significant result ($p\leq 0.05$) was followed by a comparison of the dosage groups using Dunnett's test⁽¹⁵⁾.

Variables that had graded or count scores, such as litter size, the number of trials to a criterion in a behavioral test or the day a developmental landmark appeared, were analyzed using the procedures described under the Nonparametric heading of the schematic.

Clinical observation incidence data were analyzed using the Variance Test for Homogeneity of the Binomial Distribution⁽²⁰⁾.

3. RESULTS - MALE RATS

3.1. Mortality, Clinical and Necropsy Observations (Summaries - Tables B1 and B2; Individual Data - Tables B15 and B16)

3.1.1. Mortality

All male rats survived to scheduled sacrifice.

3.1.2. Clinical Observations

Significant increases ($p \leq 0.01$) in the incidences of excess salivation, perioral substance and urine-stained abdominal fur occurred in the 250 mg/kg/day dosage group.

All other clinical observations were considered unrelated to the test substance because: 1) the incidences were not dosage-dependent; and/or 2) the observation occurred in only one or two male rats in any dosage group. These observations included chromorhinorrhea, soft or liquid feces, missing/broken incisors, chromodacryorrhea, scabs on right forelimb, red substance on the penis and ulceration on right forelimb.

3.1.3. Necropsy Observations

All necropsy observations were considered unrelated to the test substance because: 1) the incidences were not dosage-dependent; and/or 2) the observation occurred in only one male rat (17636) in the 250 mg/kg/day dosage group. These observations included a tan, firm, lobular mass (2.8 cm x 0.9 cm x 0.7 cm) on the right hemisphere of the prostate and a red ventral side of the same prostate gland. A cut surface of the mass revealed a tan smooth surface. Histomorphologic diagnosis was suppurative prostatitis.

3.1.4. Histopathology

Treatment-related microscopic changes were observed in the liver of male rats in the 50 and 250 mg/kg/day dosage groups and in the stomach of male rats in the 250 mg/kg/day dosage group.

The treatment-related microscopic changes in the liver consisted of minimal or mild enlargement (hypertrophy) of centrilobular hepatocytes in most of the male rats in the 250 mg/kg/day dosage group and 4 out of 10 in the 50 mg/kg/day dosage group. The enlargement was due to an increased amount of finely granular, dense eosinophilic cytoplasm. Also, in three of the affected rats in the 250 mg/kg/day dosage group, necrosis of individual enlarged hepatocytes was seen in the centrilobular areas.

Microscopic examination of the stomach revealed focal erosions in the pyloric glandular mucosa of two rats in the 250 mg/kg/day dosage group.

No treatment-related microscopic changes were observed in any of the male rats given 10 mg/kg/day of the test substance.

3.2. Terminal Body Weights and Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight and Brain Weight (Summaries - Tables B3 through B5; Individual Data - Tables B17 and B18)

Terminal body weights of the male rats were significantly reduced ($p \leq 0.01$) in the 250 mg/kg/day dosage group, as compared with control group values.

Absolute weights of the left and right kidneys were significantly increased ($p \leq 0.05$ or $p \leq 0.01$) in the 50 and 250 mg/kg/day dosage groups and the absolute weight of the liver was significantly increased ($p \leq 0.01$) in the 250 mg/kg/day dosage group, as compared with the control group value. The ratios of the weights of these organs to terminal body weights were significantly increased ($p \leq 0.05$ or $p \leq 0.01$) in the 50 and 250 mg/kg/day dosage groups. Relative to the brain weight, only the liver weight in the 250 mg/kg/day dosage group was significantly increased ($p \leq 0.01$).

3.3. Hematology and Clinical Chemistry (Summaries - Tables B6 through B7)

Dosages of the test substance as high as 250 mg/kg/day did not affect any hematology or clinical chemistry values evaluated. Average values for red blood cells (RBC), white blood cells (WBC), hemoglobin concentration (HGB), hematocrit (HCT), mean corpuscular volume (MCV), mean corpuscular hemoglobin (MCH), mean corpuscular hemoglobin concentration (MCHC), platelets, volume, prothrombin and activated partial thromboplastin time (PT and APTT), mean platelet volume (MPV), nucleated red blood cell count (NRBC), lymphocytes, segmented neutrophils, bands, monocytes, eosinophils, basophils and abnormal lymphocytes in male rats were comparable among the four dosage groups and did not differ significantly.

Average values for total protein (TP), albumin (A), glucose (GLU), cholesterol (CHOL), total bilirubin (TBILI), blood urea nitrogen (BUN), creatinine (CREAT), alanine aminotransferase (ALT), aspartate aminotransferase (AST), alkaline phosphatase (ALK), calcium (CA), phosphorus (PHOS), triglycerides (TRIG), sodium (NA), potassium (K), chloride (CL), globulin (G) and albumin/globulin ratio (A/G) in male rats were comparable among the four dosage groups and did not differ significantly.

**3.4. Body Weights and Body Weight Changes
(Figure 1; Summaries - Tables B8 and B9; Individual Data - Table B19)**

Body weight gains were significantly reduced ($p \leq 0.01$) in the 250 mg/kg/day dosage group on study days (DSs) 1 to 8, 1 to 15 and 1 to 36. Body weight gains were also significantly decreased ($p \leq 0.05$) in the 50 mg/kg/day dosage group on DSs 1 to 36.

Body weights were significantly reduced ($p \leq 0.01$) on DS 29 and 36 in the 250 mg/kg/day dosage group. Body weights and body weight gains of the male rats were unaffected by dosages of the test substance as high as 10 mg/kg/day.

**3.5. Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values
(Summaries - Tables B10 and B11; Individual Data - Table B20)**

Absolute (g/day) feed consumption values were significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) in the 50 and 250 mg/kg/day dosage groups on DSs 1 to 8 and significantly reduced ($p \leq 0.01$) in the 250 mg/kg/day dosage groups on DSs 1 to 15 and 1 to 36. Absolute feed consumption values during the recovery period were comparable between the 0 (Vehicle) and 10 mg/kg/day dosage groups.

Relative (g/kg/day) feed consumption values were significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) on DSs 1 to 8 in the 50 and 250 mg/kg/day dosage groups. Relative feed consumption values of the male rats were unaffected by dosages of the test substance as high as 10 mg/kg/day.

**3.6. Mating and Fertility
(Summary - Table B12; Individual Data - Table B21)**

All mating and fertility parameters (numbers of days in cohabitation, rats that mated, fertility index, rats with confirmed mating dates during the first and second week of cohabitation, rats pregnant per rats in cohabitation and the number of pregnant rats per number of rats in cohabitation) were unaffected by dosages of the test substance as high as 250 mg/kg/day.

**3.7. Functional Observational Battery
(Summary - Table B13; Individual Data - Table B22)**

There were no statistically significant or biologically important differences among the four dosage groups in the measures of the functional observational battery (FOB). There were no alterations in home cage behavior, autonomic functions (lacrimation, salivation, palpebral closure, prominence of the eye, pupillary reaction to light, piloerection, respiration, defecation and urination), sensorimotor functions [responses to visual, auditory, tactile and painful stimuli (reactivity and sensitivity)], excitability (reactions to handling and behavior in the open field), gait and sensorimotor coordination (gait pattern in the open field, severity of gait abnormalities, air righting reaction and landing foot splay) and forelimb and hindlimb grip strength and abnormal clinical observations including but not limited to: convulsions, tremors, unusual behavior, hypotonia or hypertonia, emaciation, dehydration, unkempt appearance and deposits around the eyes, nose or mouth.

Body weights recorded during the functional operational battery for the treated groups were not significantly different than the control group for the male rats.

**3.8. Motor Activity (Figure 3 and 4; Summary - Table B14;
Individual Data - Table B23)**

There were no statistically significant or biologically important differences among the four dosage groups in the measures of motor activity on DS 8.

4. RESULTS - Female Rats

4.1. Mortality, Clinical and Necropsy Observations (Summaries - Tables C1 and C2; Individual Data - Tables C27 and C28)

4.1.1. Mortality

All female rats survived to scheduled sacrifice.

4.1.2. Clinical Observations

All clinical observations were considered unrelated to the test substance because: 1) the incidences were not dosage-dependent; and/or 2) the observation occurred in only one or two female rats in any dosage group. These observations included perioral substance, excess salivation, bent tail, chromodacryorrhea, corneal opacity of right eye, localized alopecia on the limbs, underside or head, urine-stained abdominal fur, red perivaginal substance, soft or liquid feces, missing/broken incisors and dehydration.

4.1.3. Necropsy Observations

All necropsy observations were considered unrelated to the test substance because: 1) the incidences were not dosage-dependent; and/or 2) the observation occurred in only one female rat in the 50 mg/kg/day dosage group and one female rat in the 250 mg/kg/day dosage group. These observations included an absent right kidney in one 50 mg/kg/day dosage group female rat (17706) and a small thymus in one 250 mg/kg/day dosage group female rat (17696). The small thymus was not available for histomorphologic diagnosis.

4.1.4. Histopathology

Treatment-related microscopic changes were observed in the liver and thymus of female rats in the 250 mg/kg/day dosage group.

The treatment-related microscopic changes in the liver consisted of minimal or mild enlargement (hypertrophy) of centrilobular hepatocytes in most of the female rats in the 250 mg/kg/day dosage group. The enlargement was due to an increased amount of finely granular, dense eosinophilic cytoplasm.

Microscopic examination of the thymus revealed an increased incidence and severity of atrophy of the thymic lobules in female rats in the 250 mg/kg/day dosage group.

No treatment-related microscopic changes were observed in any of the female rats given 10 mg/kg/day of the test substance.

4.2. Terminal Body Weights and Organ Weights and Ratios (%) of Organ Weight to Terminal Body Weight and Brain Weight (Summaries - Tables C3 through C5; Individual Data - Tables C29 and C30)

Terminal body weights of the female rats were reduced (-4.8%), albeit not significantly, in the 250 mg/kg/day dosage group, as compared with control group values.

Absolute weights of the liver was significantly increased ($p\leq 0.01$) in the 250 mg/kg/day dosage group, as compared with the control group value. The ratios of the weight of this organ and the weight of the right kidney to terminal body weights were significantly increased ($p\leq 0.01$) in the 250 mg/kg/day dosage group. Only the ratio of the liver weight to brain weight in the 250 mg/kg/day dosage group was significantly increased ($p\leq 0.01$) was considered treatment-related; the significantly increased ($p\leq 0.05$) ratio of the liver weight to brain weight in the 10 mg/kg/day dosage group was not considered treatment-related because it was not dosage dependent.

4.3. Hematology and Clinical Chemistry (Summaries - Tables C6 and C7)

Dosages as high as 250 mg/kg/day did not affect any hematology or clinical chemistry values evaluated. Average values for red blood cells (RBC), white blood cells (WBC), hemoglobin concentration (HGB), hematocrit (HCT), mean corpuscular volume (MCV), mean corpuscular hemoglobin (MCH), mean corpuscular hemoglobin concentration (MCHC), platelets, prothrombin and activated partial thromboplastin time (PT and APTT), mean platelet volume (MPV), nucleated red blood cell count (NRBC), lymphocytes, segmented neutrophils, bands, monocytes, eosinophils, basophils, abnormal lymphocytes in female rats were comparable among the four dosage groups and did not differ significantly.

Average values for total protein (TP), albumin (A), glucose (GLU), cholesterol (CHOL), total bilirubin (TBILI), blood urea nitrogen (BUN), creatinine (CREAT), alanine aminotransferase (ALT), aspartate aminotransferase (AST), alkaline phosphatase (ALK), calcium (CA), phosphorus (PHOS), triglycerides (TRIG), sodium (NA), potassium (K), chloride (CL), globulin (G) and albumin/globulin ratio (A/G) in female rats were comparable among the four dosage groups and did not differ significantly.

4.4. Body Weights and Body Weight Changes (Figure 1; Summaries - Tables C8 through C13; Individual Data - Tables C31 through C33)

4.4.1. Precohabitation

Body weight gains were significantly reduced ($p\leq 0.05$) during the precoh abitation period in the 250 mg/kg/day dosage group on DSs 1 to 8 and 1 to 15. Body weights were not significantly affected by dosages of the test substance on any weight day during precoh abitation.

4.4.2. Gestation

Body weights and body weight gains were not significantly affected by dosages of the test substance during gestation.

Body weights gains were significantly reduced ($p \leq 0.05$ or $p \leq 0.01$) during gestation on days of gestation (DGs) 0 to 3 and 12 to 15 in the 50 mg/kg/day dosage group and on DGs 12 to 15 in the 10 mg/kg/day dosage group. These significant reductions in body weight gain were not considered treatment-related because they were not dosage-dependent.

4.4.3. Lactation

Body weight gains were not significantly affected by dosages of the test substance during lactation. Body weights were significantly reduced ($p \leq 0.05$) during lactation on day of lactation (DL) 1 in the 250 mg/kg/day dosage group but was not considered treatment-related because it did not persist.

4.5. Absolute (g/day) and Relative (g/kg/day) Feed Consumption Values (Summaries - Tables C14 through C19; Individual Data - Tables C34 through C36)

4.5.1. Precohabitation

Absolute (g/day) and relative (g/kg/day) feed consumption values were not significantly affected by dosages of the test substance during the precohabitation period.

4.5.2. Gestation

Absolute (g/day) feed consumption values were not significantly affected by dosages of the test substance during the gestation period.

Relative (g/kg/day) feed consumption values were significantly increased ($p \leq 0.01$) during gestation on DGs 15 to 18 in the 250 mg/kg/day dosage group but was not considered treatment-related because it did not persist.

4.5.3. Lactation

Absolute and relative feed consumption values were not significantly affected by dosages of the test substance during lactation.

4.6. Estrous Cycling, Mating and Fertility (Summary - Table C20; Individual Data - Table C37)

The average numbers of estrous stages per 14 days were comparable among the four dosage groups and did not significantly differ. The number of rats with six or more consecutive days of diestrus or estrus did not differ significantly.

All mating and fertility parameters (numbers of days in cohabitation, rats that mated, Fertility Index, rats with confirmed mating dates during the first and second week of cohabitation, rats pregnant per rats in cohabitation and the number of pregnant rats per number of rats in cohabitation) were unaffected by dosages of the test substance as high as 250 mg/kg/day.

4.7. Functional Observational Battery (Summary - Table C21; Individual Data - Table C38)

There were no statistically significant or biologically important differences among the four dosage groups in the measures of the functional observational battery (FOB). There were no alterations in home cage behavior, autonomic functions (lacrimation, salivation, palpebral closure, prominence of the eye, pupillary reaction to light, piloerection, respiration, defecation and urination), sensorimotor functions [responses to visual, auditory, tactile and painful stimuli (reactivity and sensitivity)], excitability (reactions to handling and behavior in the open field), gait and sensorimotor coordination (gait pattern in the open field, severity of gait abnormalities, air righting reaction and landing foot splay) and forelimb and hindlimb grip strength and abnormal clinical observations including but not limited to: convulsions, tremors, unusual behavior, hypotonia or hypertonia, emaciation, dehydration, unkempt appearance and deposits around the eyes, nose or mouth.

Body weights recorded during the functional operational battery for the treated groups were not significantly different than the control group for the female rats.

4.8. Motor Activity (Figures 5 and 6; Summary - Table C22; Individual Data - Table C39)

There were no statistically significant or biologically important differences among the four dosage groups in the measures of motor activity on DS 86.

4.9. Natural Delivery and Litter Observations (Summary - Tables C23 and C24; Individual Data - Tables C40 through C43)

Pregnancy occurred in all 15 (100%) rats assigned to the 0 (Vehicle) and 50 mg/kg/day dosage groups, 14 (93.3%) of the rats assigned to the 10 mg/kg/day dosage group and 13 (86.7%) of the rats assigned to the 250 mg/kg/day dosage group. All pregnant dams delivered a litter of one or more liveborn pups. The number of liveborn pups was significantly reduced ($p \leq 0.01$) in the 250 mg/kg/day dosage group. The number of stillborn pups was significantly increased ($p \leq 0.01$) in the 250 mg/kg/day dosage group. The number of pups found dead or presumed cannibalized on day 1 and days 2 to 5 postpartum was significantly increased ($p \leq 0.01$) in the 250 mg/kg/day dosage groups. The viability index (81.5%) was significantly reduced ($p \leq 0.01$) in the 250 mg/kg/day dosage group, compared to the control group value (99.1%). The number of pups surviving per litter on postpartum day 5 was significantly reduced ($p \leq 0.05$) in the 250 mg/kg/day dosage group. Pup body weights per litter were also reduced, albeit not significantly, in the 250 mg/kg/day dosage group on postpartum days 1 and 5. These

findings at 250 mg/kg/day were considered related to the test substance because they were dosage dependent.

Values for the numbers of dams delivering litters, the duration of gestation, averages for implantation sites per delivered litter, the gestation index (number of dams with one or more liveborn pups/number of pregnant rats), the numbers of dams with stillborn pups, dams with all pups dying, stillborn pups, surviving pups per litter on postpartum day 1 and pup sex ratios were comparable among the four dosage groups and did not significantly differ.

4.10. Pup Clinical and Necropsy Observations (Summary - Tables C25 and C26; Individual Data - Tables C44 and C45)

No clinical or necropsy observations in the F1 generation pups were attributable to dosages of the test substance as high as 250 mg/kg/day because: 1) the incidences were not dosage-dependent; and 2) the observation occurred in only one to three litters. These clinical observations included: not nursing, not nesting, pale and bruise on head, back, mouth, lower midline, chest and/or neck. Necropsy observations on postpartum day 5 was limited to slight dilation of the renal pelvis of one pup from a 10 mg/kg/day dosage group litter.

REFERENCES

1. Organisation for Economic Co-operation and Development (1996). *OECD Guideline for Testing of Chemicals*. Section 4, No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test, adopted 22 March 1996.
2. Organisation for Economic Co-operation and Development (1998). The Revised OECD Principles of Good Laboratory Practices [C(97)186/Final].
3. U.S. Food and Drug Administration. Good Laboratory Practice Regulations; Final Rule. 21 CFR Part 58.
4. Japanese Ministry of Health and Welfare (1997). *Good Laboratory Practice Standard for Safety Studies on Drugs*, MHW Ordinance Number 21, March 26, 1997.
5. Christian, M.S. and Voytek, P.E. (1982). *In Vivo Reproductive and Mutagenicity Tests*. Environmental Protection Agency, Washington, D.C. National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.
6. Christian, M.S. (1984). Reproductive toxicity and teratology evaluations of naltrexone (Proceedings of Naltrexone Symposium, New York Academy of Sciences, November 7, 1983), J. Clin. Psychiat. 45(9):7-10.
7. Lang, P.L. (1988). *Embryo and Fetal Developmental Toxicity (Teratology) Control Data in the Charles River Crl:CD®BR Rat*. Charles River Laboratories, Inc., Wilmington, MA 01887-0630. (Data base provided by Argus Research Laboratories, Inc.)
8. Institute of Laboratory Animal Resources (1996). *Guide for the Care and Use of Laboratory Animals*. National Academy Press, Washington, D.C.
9. Haggerty, G.C. (1989). Development of Tier I neurobehavioral testing capabilities for incorporation into pivotal rodent safety assessment studies. J. Amer. Col. Toxicol. 8:53-70.
10. Irwin, S. (1968). Comprehensive observational assessment: Ia. A systemic quantitative procedure for assessing the behavioral and physiologic state of the mouse. Psychopharmacologia (Berlin) 13:222-257.
11. Moser, V.C. (1989). Screening approaches to neurotoxicity: A functional observational battery. J. Amer. Col. Toxicol. 8:85-94.
12. O'Donoghue, J.L. (1989). Screening for neurotoxicity using a neurologically based examination and neuropathology. J. Amer. Col. Toxicol. 8:97-116.

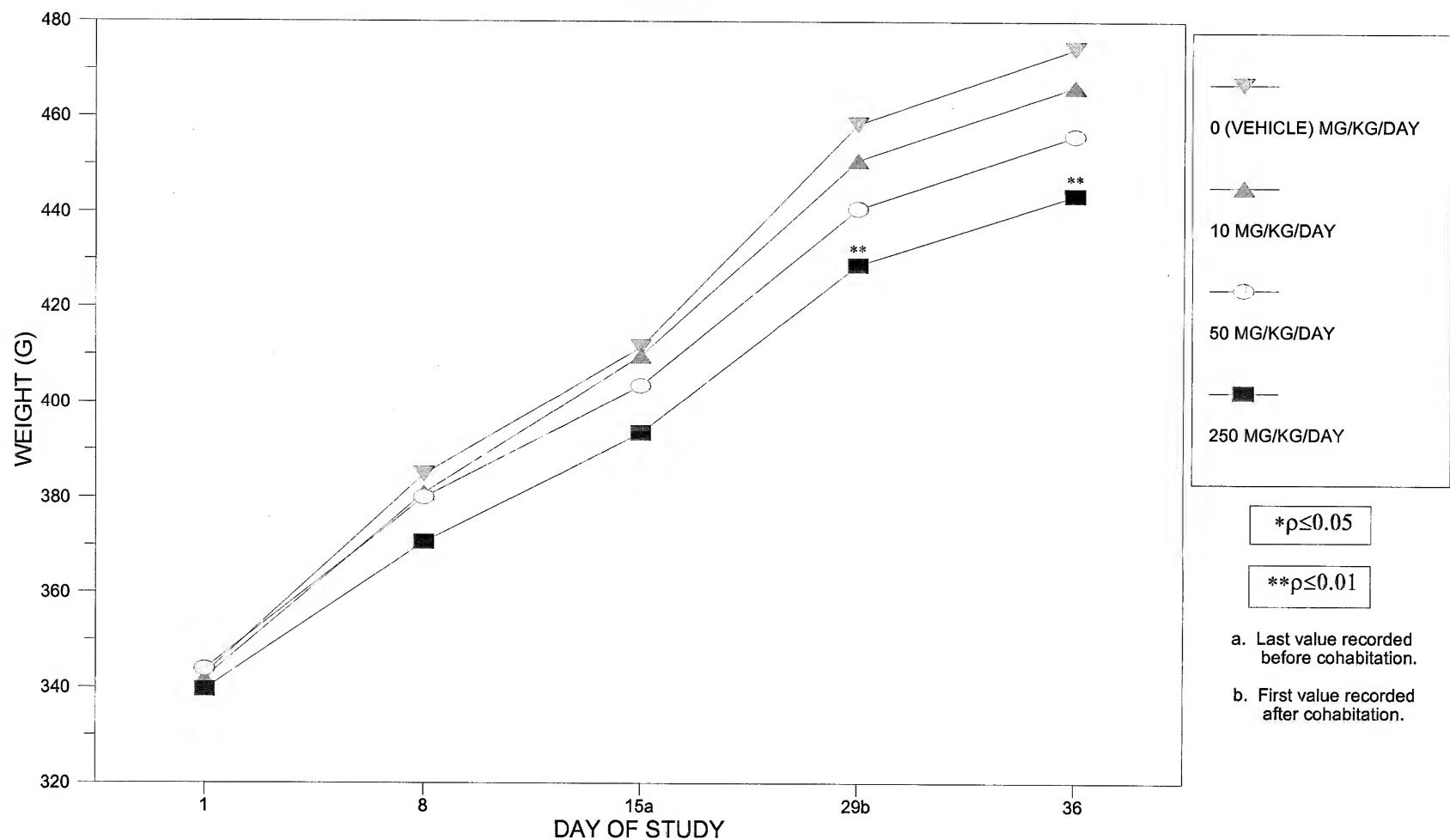
13. Sokal, R.R. and Rohlf, F.J. (1969). Bartlett's test of homogeneity of variances. *Biometry*, W.H. Freeman and Co., San Francisco, pp. 370-371.
14. Snedecor, G.W. and Cochran, W.G. (1967). Analysis of Variance. *Statistical Methods*, 6th Edition, Iowa State University Press, Ames, pp. 258-275.
15. Dunnett, C.W. (1955). A multiple comparison procedure for comparing several treatments with a control. *J. Amer. Stat. Assoc.* 50:1096-1121.
16. Sokal, R.R. and Rohlf, F.J. (1969). Kruskal-Wallis Test. *Biometry*, W.H. Freeman and Co., San Francisco, pp. 388-389.
17. Dunn, O.J. (1964). Multiple comparisons using rank sums. *Technometrics* 6(3):241-252.
18. Siegel, S. (1956). *Nonparametric Statistics for the Behavioral Sciences*. Fisher's Exact. McGraw-Hill Co., New York, pp. 96-105.
19. SAS Institute, Inc. (1988). Repeated measures analysis of variance. *SAS/STATTM User's Guide*, Release 6.03 Edition, Cary, NC, pp. 602-609.
20. Snedecor, G.W. and Cochran, W.G. (1967). Variance test for homogeneity of the binomial distribution. *Statistical Methods*, 6th Edition, Iowa State University Press, Ames, pp. 240-241.

APPENDIX A
REPORT FIGURES

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

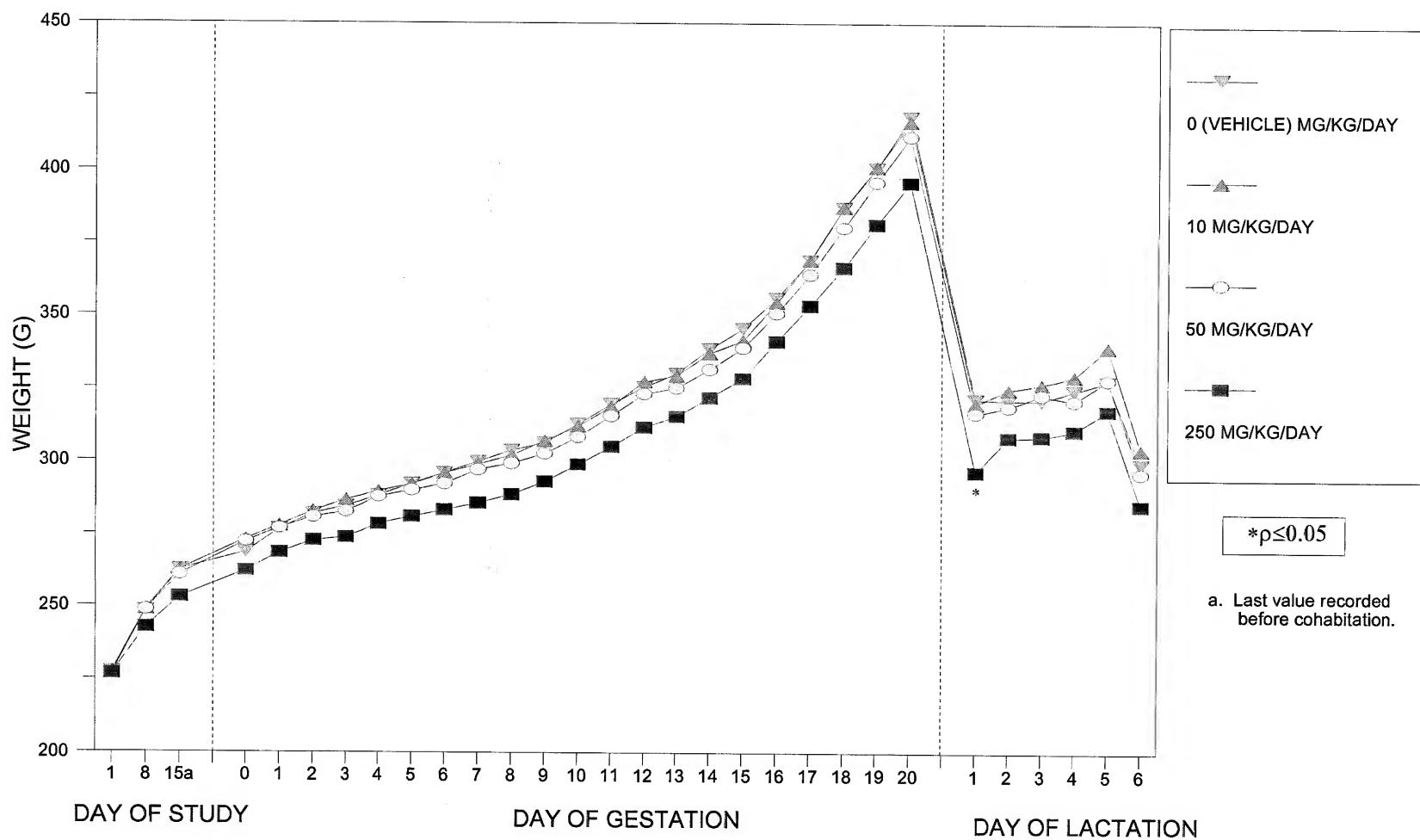
BODY WEIGHTS - MALE RATS

Figure 1



BODY WEIGHTS - FEMALE RATS

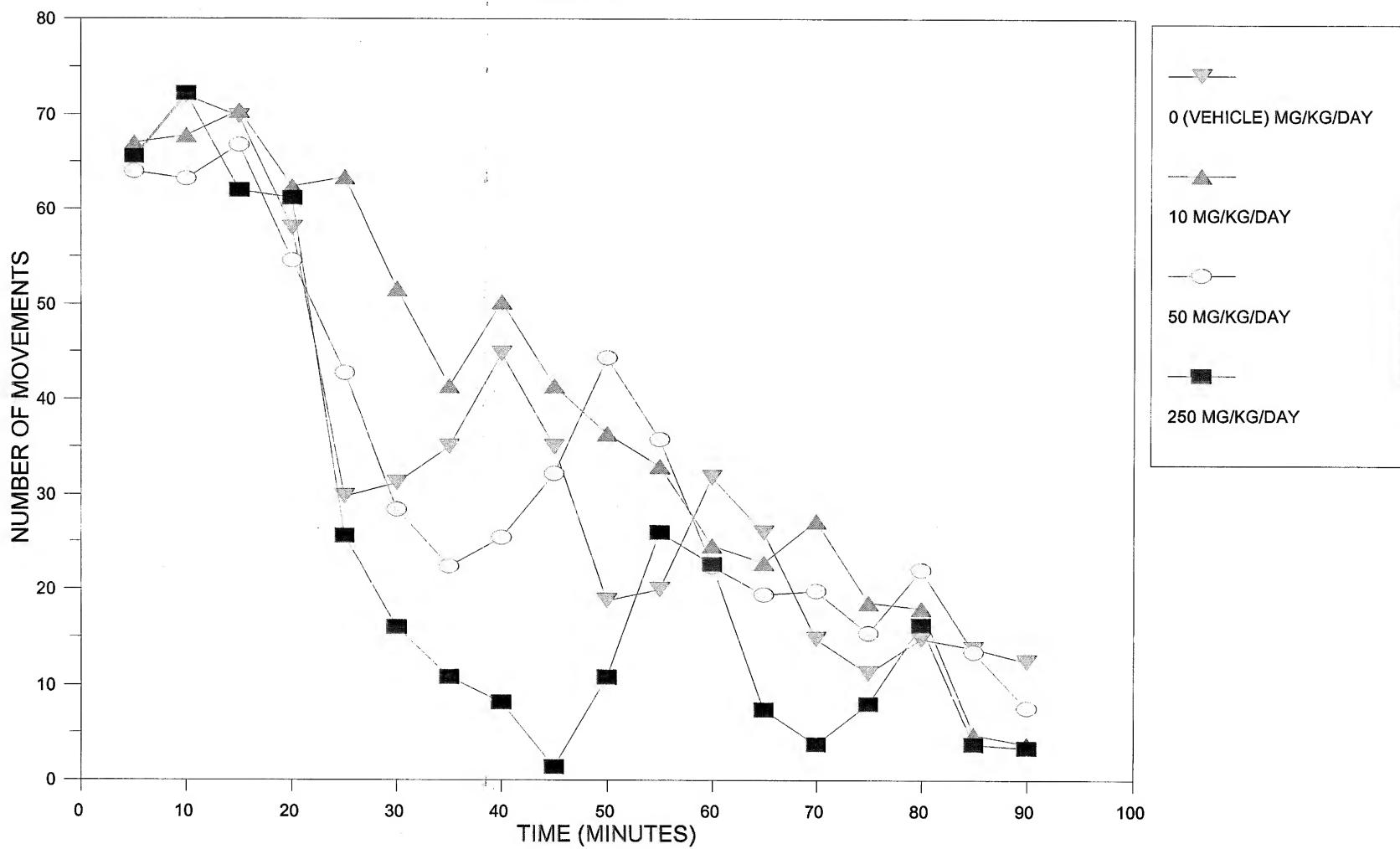
Figure 2



PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

MOTOR ACTIVITY - NUMBER OF MOVEMENTS - MALE RATS

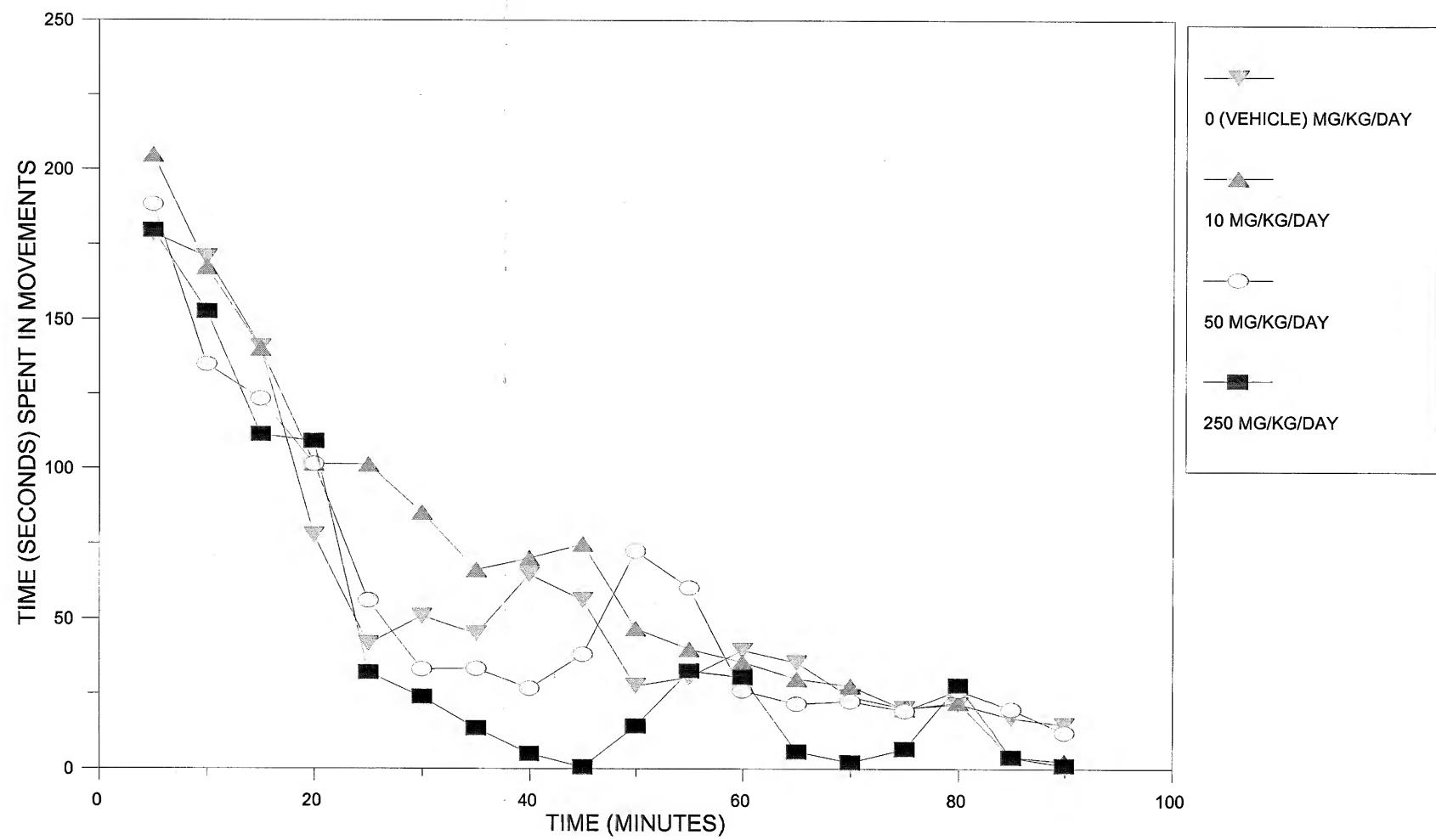
Figure 3



PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

MOTOR ACTIVITY - TIME SPENT IN MOVEMENT - MALE RATS

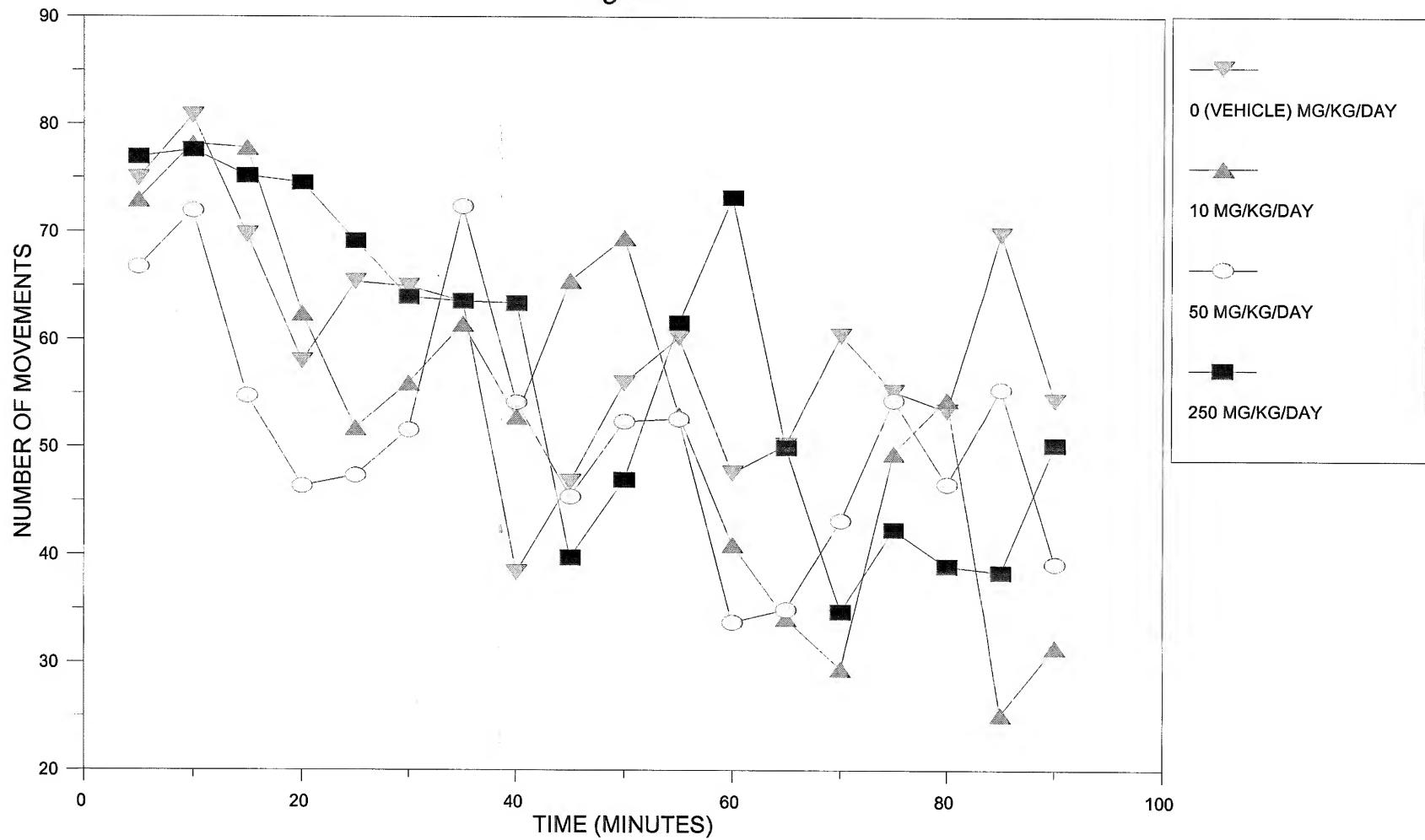
Figure 4



PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

MOTOR ACTIVITY - NUMBER OF MOVEMENTS - FEMALE RATS

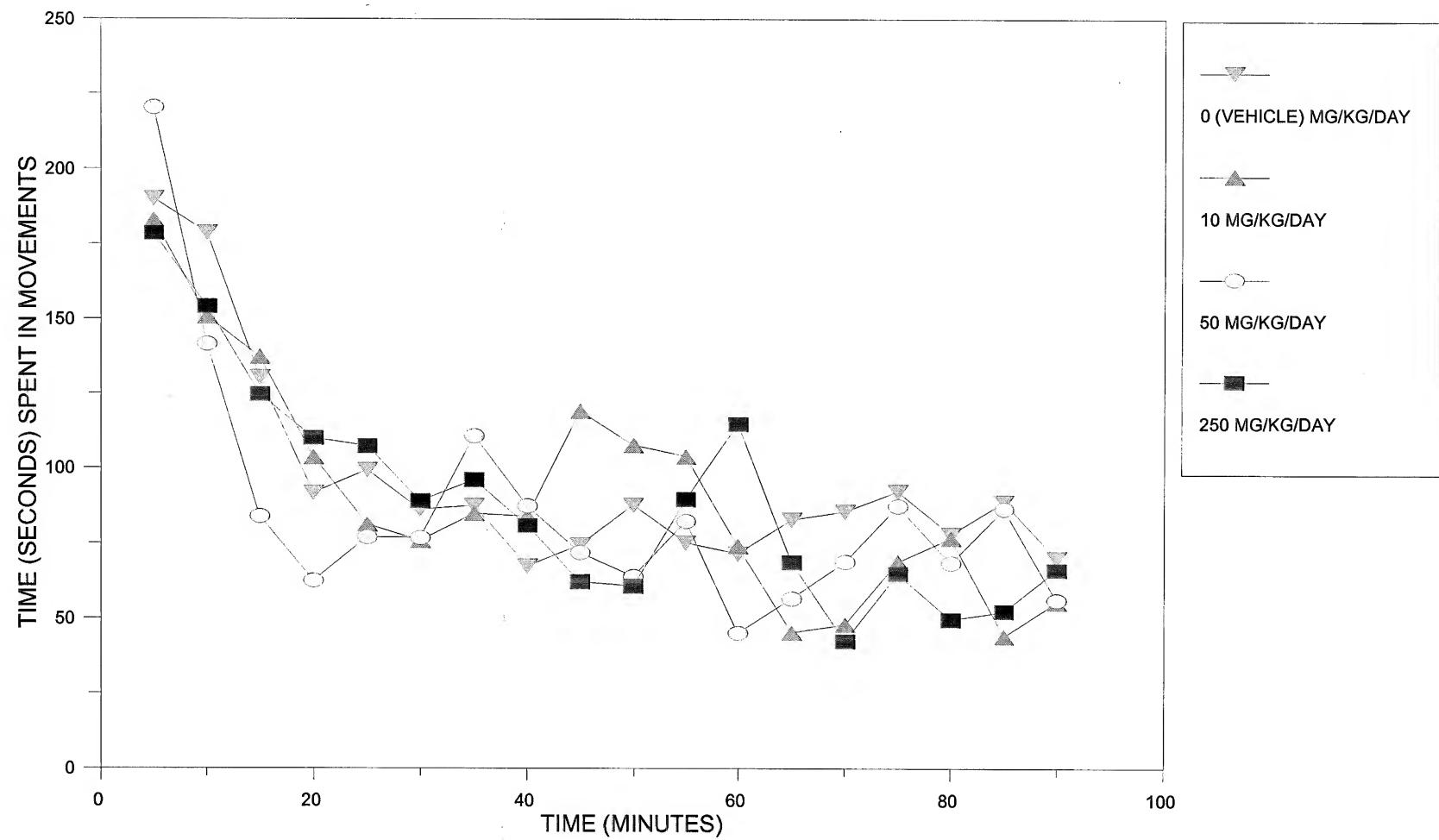
Figure 5



PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

MOTOR ACTIVITY - TIME SPENT IN MOVEMENT - FEMALE RATS

Figure 6



APPENDIX B

REPORT TABLES - Fo GENERATION MALE RATS

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B1 (PAGE 1): CLINICAL OBSERVATIONS - SUMMARY - F0 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
MAXIMUM POSSIBLE INCIDENCE	555/ 15	555/ 15	555/ 15	555/ 15
MORTALITY	0	0	0	0
EXCESS SALIVATION	0/ 0	0/ 0	0/ 0	24/ 10**
RED, SLIGHT PERIORAL SUBSTANCE	0/ 0	0/ 0	0/ 0	15/ 10**
URINE-STAINED ABDOMINAL FUR	0/ 0	0/ 0	1/ 1	14/ 4**
CHROMORHINORRHEA	4/ 3	6/ 4	2/ 1	6/ 3
LOCALIZED ALOPECIA: LIMBS	0/ 0	0/ 0	6/ 1	16/ 2
CHROMODACRYORRHEA	0/ 0	0/ 0	1/ 1	5/ 2
SOFT OR LIQUID FECES	3/ 2	3/ 2	0/ 0	2/ 2
RIGHT FORELIMB: SCAB(S)	0/ 0	0/ 0	0/ 0	14/ 1
INCISORS: MISSING/BROKEN	0/ 0	0/ 0	1/ 1	9/ 1
PENIS: RED SUBSTANCE	0/ 0	1/ 1	1/ 1	1/ 1
RIGHT FORELIMB: ULCERATION	0/ 0	0/ 0	0/ 0	1/ 1

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.

N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B2 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F₀ GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS EXAMINED a	N 15	15	15	15
MORTALITY	N 0	0	0	0
APPEARED NORMAL	N 15	15	15	14
PROSTATE:				
RIGHT HEMISPHERE, TAN, FIRM, LOBULAR MASS	N 0	0	0	1
VENTRAL RIGHT SIDE, RED	N 0	0	0	1

a. Refer to the individual clinical observations table (Table B15) for external observations confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B3 (PAGE 1): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS - SUMMARY - F₀ GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	15	15	15	15
TERMINAL BODY WEIGHT	MEAN±S.D.	447.1 ± 34.7	439.0 ± 21.3	428.6 ± 32.2	412.3 ± 16.0**
EPIDIDYMIS LEFT	MEAN±S.D.	0.74 ± 0.06	0.72 ± 0.09	0.72 ± 0.08	0.71 ± 0.06
TESTIS LEFT	MEAN±S.D.	1.76 ± 0.14	1.64 ± 0.29	1.73 ± 0.15	1.74 ± 0.13
EPIDIDYMIS RIGHT	MEAN±S.D.	0.76 ± 0.06	0.74 ± 0.10	0.73 ± 0.09	0.70 ± 0.06
TESTIS RIGHT	MEAN±S.D.	1.74 ± 0.14	1.72 ± 0.12	1.74 ± 0.15	1.75 ± 0.14
BRAIN	MEAN±S.D.	2.31 ± 0.10 [10]a	2.25 ± 0.12 [10]a	2.36 ± 0.09 [10]a	2.32 ± 0.16 [10]a
LIVER	MEAN±S.D.	13.61 ± 1.26	13.79 ± 1.74	14.06 ± 1.51	18.31 ± 2.27**
KIDNEY LEFT	MEAN±S.D.	1.94 ± 0.16 [10]a	1.96 ± 0.16 [10]a	2.12 ± 0.18* [10]a	2.16 ± 0.13** [10]a
KIDNEY RIGHT	MEAN±S.D.	2.00 ± 0.09 [10]a	2.02 ± 0.21 [10]a	2.16 ± 0.18* [10]a	2.18 ± 0.13* [10]a
ADRENAL LEFT	MEAN±S.D.	0.030 ± 0.003 [9]a,b	0.030 ± 0.005 [10]a	0.029 ± 0.006 [10]a	0.030 ± 0.007 [10]a
ADRENAL RIGHT	MEAN±S.D.	0.028 ± 0.004 [10]a	0.032 ± 0.005 [10]a	0.029 ± 0.002 [10]a	0.028 ± 0.004 [10]a
SPLEEN	MEAN±S.D.	0.89 ± 0.09 [10]a	0.79 ± 0.12 [10]a	0.85 ± 0.12 [10]a	0.83 ± 0.10 [10]a
THYMUS	MEAN±S.D.	0.54 ± 0.14 [10]a	0.43 ± 0.13 [10]a	0.43 ± 0.14 [10]a	0.40 ± 0.12 [10]a
HEART	MEAN±S.D.	1.51 ± 0.13 [10]a	1.49 ± 0.20 [10]a	1.46 ± 0.16 [10]a	1.45 ± 0.17 [10]a

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

[] = NUMBER OF VALUES AVERAGED.

- a. Results did not warrant examination of the five additional rats.
- b. Excludes a value for rat 17660, which had an organ damaged (weight affected).
- * Significantly different from the vehicle control group value ($p \leq 0.05$).
- ** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B4 (PAGE 1): RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - F0 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	15	15	15	
EPIDIDYMIS LEFT	MEAN±S.D.	0.165 ± 0.016	0.165 ± 0.019	0.167 ± 0.023	0.173 ± 0.018
TESTIS LEFT	MEAN±S.D.	0.395 ± 0.050	0.373 ± 0.066	0.406 ± 0.048	0.422 ± 0.038
EPIDIDYMIS RIGHT	MEAN±S.D.	0.169 ± 0.019	0.167 ± 0.025	0.171 ± 0.026	0.171 ± 0.017
TESTIS RIGHT	MEAN±S.D.	0.392 ± 0.046	0.393 ± 0.027	0.409 ± 0.047	0.425 ± 0.041
BRAIN	MEAN±S.D.	0.521 ± 0.039 [10]a	0.512 ± 0.032 [10]a	0.547 ± 0.033 [10]a	0.555 ± 0.050 [10]a
LIVER	MEAN±S.D.	3.043 ± 0.144	3.133 ± 0.278	3.275 ± 0.166**	4.434 ± 0.450**
KIDNEY LEFT	MEAN±S.D.	0.436 ± 0.046 [10]a	0.448 ± 0.043 [10]a	0.493 ± 0.056* [10]a	0.517 ± 0.033** [10]a
KIDNEY RIGHT	MEAN±S.D.	0.451 ± 0.037 [10]a	0.462 ± 0.051 [10]a	0.501 ± 0.056* [10]a	0.521 ± 0.031** [10]a
ADRENAL LEFT b	MEAN±S.D.	6.562 ± 0.570 [9]a,c	6.737 ± 1.213 [10]a	6.690 ± 1.451 [10]a	7.069 ± 1.568 [10]a
ADRENAL RIGHT b	MEAN±S.D.	6.325 ± 0.938 [10]a	7.215 ± 1.194 [10]a	6.826 ± 0.724 [10]a	6.598 ± 1.005 [10]a
SPLEEN	MEAN±S.D.	0.200 ± 0.027 [10]a	0.178 ± 0.026 [10]a	0.197 ± 0.033 [10]a	0.197 ± 0.021 [10]a
THYMUS	MEAN±S.D.	0.122 ± 0.032 [10]a	0.099 ± 0.030 [10]a	0.099 ± 0.033 [10]a	0.096 ± 0.029 [10]a
HEART	MEAN±S.D.	0.341 ± 0.027 [10]a	0.341 ± 0.038 [10]a	0.338 ± 0.039 [10]a	0.348 ± 0.042 [10]a

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

RATIOS (%) = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

[] = NUMBER OF VALUES AVERAGED.

a. Results did not warrant examination of the five additional rats.

b. Value was multiplied by 1000.

c. Excludes a value for rat 17660, which had an organ damaged (weight affected).

* Significantly different from the vehicle control group value ($p \leq 0.05$).

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B5 (PAGE 1): RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - SUMMARY - F₀ GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	10a	10a	10a	
BRAIN WEIGHT	MEAN±S.D.	2.31 ± 0.10	2.25 ± 0.12	2.36 ± 0.09	2.32 ± 0.16
EPIDIDYMIS LEFT	MEAN±S.D.	31.28 ± 2.24	32.08 ± 3.44	29.98 ± 3.37	29.86 ± 2.87
TESTIS LEFT	MEAN±S.D.	75.14 ± 6.24	75.90 ± 4.98	73.00 ± 8.32	73.95 ± 10.60
EPIDIDYMIS RIGHT	MEAN±S.D.	31.97 ± 2.81	32.63 ± 3.73	30.38 ± 3.16	29.72 ± 3.60
TESTIS RIGHT	MEAN±S.D.	74.42 ± 5.96	76.90 ± 3.34	72.98 ± 6.85	73.87 ± 9.89
LIVER	MEAN±S.D.	594.63 ± 42.79	620.48 ± 81.18	603.91 ± 53.24	807.37 ± 123.75**
KIDNEY LEFT	MEAN±S.D.	83.88 ± 7.32	87.59 ± 7.45	90.39 ± 9.47	93.84 ± 9.85
KIDNEY RIGHT	MEAN±S.D.	86.77 ± 5.89	90.12 ± 9.43	91.76 ± 8.79	94.73 ± 10.17
ADRENAL LEFT	MEAN±S.D.	1.18 ± 0.30 [9]b	1.32 ± 0.27	1.22 ± 0.25	1.29 ± 0.38
ADRENAL RIGHT	MEAN±S.D.	1.22 ± 0.16	1.42 ± 0.29	1.25 ± 0.11	1.19 ± 0.18
SPLEEN	MEAN±S.D.	38.72 ± 5.38	35.15 ± 4.75	36.13 ± 5.76	35.99 ± 6.32
THYMUS	MEAN±S.D.	23.66 ± 7.02	19.20 ± 5.21	18.19 ± 5.94	17.22 ± 4.88
HEART	MEAN±S.D.	65.48 ± 7.01	66.42 ± 7.27	61.92 ± 6.70	63.19 ± 9.74

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

RATIOS (%) = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

a. Results did not warrant examination of the five additional rats.

b. Excludes a value for rat 17660, which had an organ damaged (weight affected).

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B6 (PAGE 1): HEMATOLOGY - SUMMARY - F₀ GENERATION MALE RATS
(See last page of this table for abbreviations)

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	5	5	5	5
WBC (THSN/CU MM)	MEAN±S.D.	14.7 ± 3.61	18.9 ± 2.96	15.3 ± 3.36	19.3 ± 7.90
RBC (MILL/CU MM)	MEAN±S.D.	7.55 ± 0.493	7.56 ± 0.448	7.27 ± 0.291	7.17 ± 0.270
HGB (GRAMS/DL)	MEAN±S.D.	15.8 ± 0.26	15.6 ± 0.71	15.2 ± 0.40	15.1 ± 0.65
HCT (%)	MEAN±S.D.	43.7 ± 1.82	42.5 ± 2.12	41.4 ± 1.30	40.5 ± 1.88
MCV (CU MICRONS)	MEAN±S.D.	57.9 ± 2.09	56.3 ± 0.84	56.9 ± 1.94	56.5 ± 1.44
MCH (PICO GRAMS)	MEAN±S.D.	21.0 ± 1.15	20.7 ± 0.42	20.9 ± 0.70	21.1 ± 0.88
MCHC (%)	MEAN±S.D.	36.3 ± 0.97	36.8 ± 0.35	36.6 ± 1.17	37.4 ± 1.25
PLT (THSN/CU MM)	MEAN±S.D.	1197 ± 122.5	1172 ± 54.0	1218 ± 190.7	1283 ± 138.9
PT (SECONDS)	MEAN±S.D.	14.4 ± 0.66	13.7 ± 0.39	14.7 ± 0.70	14.6 ± 0.96
APTT (SECONDS)	MEAN±S.D.	25.4 ± 1.89	25.9 ± 2.33	26.2 ± 2.18	26.7 ± 2.51

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B6 (PAGE 2): HEMATOLOGY - SUMMARY - F0 GENERATION MALE RATS
(See the page of this table for abbreviations)

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	5	5	5	5
MPV (CU MICRONS)	MEAN±S.D.	9.2 ± 0.32	9.7 ± 0.79	9.5 ± 1.03	9.1 ± 0.67
NRBC COUNT	MEAN±S.D.	0 ± 0.0	0 ± 0.0	0 ± 0.0	0 ± 0.0
Lymphocyte (THSN/CU MM)	MEAN±S.D.	12.6 ± 3.67	15.8 ± 3.21	13.3 ± 3.24	14.1 ± 4.01
Segmented (THSN/CU MM)	MEAN±S.D.	1.9 ± 0.26	2.8 ± 0.87	1.8 ± 0.41	5.0 ± 7.38
Bands (THSN/CU MM)	MEAN±S.D.	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00
Monocytes (THSN/CU MM)	MEAN±S.D.	0.1 ± 0.07	0.2 ± 0.20	0.1 ± 0.09	0.1 ± 0.13
Eosinophil (THSN/CU MM)	MEAN±S.D.	0.1 ± 0.05	0.2 ± 0.11	0.2 ± 0.15	0.1 ± 0.14
Basophils (THSN/CU MM)	MEAN±S.D.	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00
Abnormal L (THSN/CU MM)	MEAN±S.D.	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00
Other (THSN/CU MM)	MEAN±S.D.	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B6 (PAGE 3): HEMATOLOGY - SUMMARY - F₀ GENERATION MALE RATS

KEY TO HEMATOLOGY TABLE	
ABBREVIATION	TERMINOLOGY
WBC	White Blood Cells (Leukocytes)
RBC	Red Blood Cells (Erythrocytes)
HGB	Hemoglobin
HCT	Hematocrit (Packed Cell Volume)
MCV	Mean Corpuscular Volume
MCH	Mean Corpuscular Hemoglobin
MCHC	Mean Corpuscular Hemoglobin Concentration
PLAT	Platelets
MPV	Mean Platelet Volume
PT	Prothrombin Time
APTT	Activated Partial Thromboplastin
NRBC	Nucleated Red Blood Cell Count
Segmented	Segmented Neutrophils
Abnormal L	Abnormal Lymphocytes
Other	Other Cells

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B7 (PAGE 1): CLINICAL CHEMISTRY - SUMMARY - F0 GENERATION MALE RATS
(See last page of this table for abbreviations)

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	5	5	5	
TP (G/DL)	MEAN±S.D.	6.3 ± 0.29	6.3 ± 0.34	6.2 ± 0.29	6.3 ± 0.16
A (G/DL)	MEAN±S.D.	4.0 ± 0.16	4.1 ± 0.15	4.1 ± 0.21	4.2 ± 0.43
GLU (MG/DL)	MEAN±S.D.	159 ± 11.0	184 ± 23.9	156 ± 12.7	108 ± 11.5
CHOL (MG/DL)	MEAN±S.D.	56 ± 11.9	52 ± 5.3	49 ± 5.5	29 ± 8.2
TBILIT (MG/DL)	MEAN±S.D.	0.1 ± 0.00	0.1 ± 0.00	0.1 ± 0.00	0.1 ± 0.00
BUN (MG/DL)	MEAN±S.D.	12 ± 1.6	14 ± 2.3	13 ± 1.3	17 ± 5.9
CREAT (MG/DL)	MEAN±S.D.	0.3 ± 0.05	0.3 ± 0.04	0.3 ± 0.04	0.4 ± 0.09
ALT (U/L)	MEAN±S.D.	38 ± 2.3	43 ± 1.6	47 ± 4.2	48 ± 6.5
AST (U/L)	MEAN±S.D.	88 ± 3.4	86 ± 10.2	96 ± 5.7	102 ± 8.3

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B7 (PAGE 2): CLINICAL CHEMISTRY - SUMMARY - F0 GENERATION MALE RATS
(See last page of this table for abbreviations)

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	5	5	5	5
ALK (U/L)	MEAN±S.D.	107 ± 27.4	108 ± 28.6	116 ± 23.4	123 ± 20.0
CA (MG/DL)	MEAN±S.D.	11.1 ± 0.37	11.4 ± 0.38	11.4 ± 0.29	11.3 ± 0.14
PHOS (MG/DL)	MEAN±S.D.	8.5 ± 0.87	9.7 ± 2.45	9.4 ± 0.90	10.0 ± 1.51
TRI (MG/DL)	MEAN±S.D.	72 ± 22.2	59 ± 13.1	66 ± 23.2	31 ± 9.5
NA (MMOL/L)	MEAN±S.D.	148 ± 1.5	147 ± 2.9	148 ± 0.8	148 ± 2.8
K (MMOL/L)	MEAN±S.D.	5.7 ± 0.51	6.2 ± 1.01	6.5 ± 0.49	6.5 ± 0.80
CL (MMOL/L)	MEAN±S.D.	96 ± 1.8	98 ± 2.9	100 ± 2.2	99 ± 2.9
G (G/DL)	MEAN±S.D.	2.2 ± 0.18	2.3 ± 0.26	2.1 ± 0.20	2.1 ± 0.41
A/G	MEAN±S.D.	1.8 ± 0.15	1.8 ± 0.21	2.0 ± 0.22	2.0 ± 0.49

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B7 (PAGE 3): CLINICAL CHEMISTRY - SUMMARY - F₀ GENERATION MALE RATS

KEY TO CLINICAL CHEMISTRY TABLE	
ABBREVIATION	TERMINOLOGY
TP	Total Protein
A	Albumin
GLU	Glucose
CHOL	Cholesterol
TBILI	Total Bilirubin
BUN	Blood Urea Nitrogen
CREAT	Creatinine
ALT	Alanine Aminotransferase
AST	Aspartate Aminotransferase
ALK	Alkaline Phosphatase
CA	Calcium
PHOS	Phosphorus (inorganic)
TRI	Triglycerides
NA	Sodium
K	Potassium
CL	Chloride
G	Globulin
A/G	Albumin/Globulin Ratio

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B8 (PAGE 1): BODY WEIGHTS - SUMMARY - F0 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	15	15	15	
BODY WEIGHT (G)					
DAY 1	MEAN±S.D.	342.7 ± 9.4	341.9 ± 9.4	343.8 ± 13.1	339.5 ± 9.4
DAY 8	MEAN±S.D.	384.8 ± 16.3	380.9 ± 13.0	380.0 ± 20.1	370.6 ± 11.4
DAY 15a	MEAN±S.D.	411.6 ± 24.8	409.8 ± 16.5	403.4 ± 24.4	393.5 ± 13.9
DAY 29b	MEAN±S.D.	458.3 ± 32.5	450.8 ± 20.8	440.7 ± 31.7	428.8 ± 13.9**
DAY 36	MEAN±S.D.	474.2 ± 36.0	466.3 ± 22.5	455.9 ± 32.2	443.5 ± 14.9**

DAY = DAY OF STUDY

- a. Last value recorded before cohabitation.
- b. First value recorded after cohabitation.

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B9 (PAGE 1): BODY WEIGHT CHANGES - SUMMARY - F0 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	15	15	15	
BODY WEIGHT CHANGE (G)					
DAYS 1 - 8	MEAN±S.D.	+42.1 ± 9.1	+39.0 ± 7.5	+36.2 ± 9.8	+31.1 ± 5.2**
DAYS 8 - 15a	MEAN±S.D.	+26.8 ± 10.1	+28.9 ± 7.6	+23.4 ± 6.8	+22.9 ± 6.8
DAYS 1 - 15a	MEAN±S.D.	+68.9 ± 17.8	+67.9 ± 12.8	+59.6 ± 12.5	+53.9 ± 9.9**
DAYS 29b- 36	MEAN±S.D.	+15.9 ± 6.0	+15.5 ± 5.4	+15.2 ± 7.1	+14.7 ± 3.7
DAYS 1 - 36	MEAN±S.D.	+131.5± 29.6	+124.4± 21.8	+112.1± 21.2*	+103.9± 13.8**

DAY = DAYS OF STUDY

- a. Last value recorded before cohabitation.
- b. First value recorded after cohabitation.

* Significantly different from the vehicle control group value ($p \leq 0.05$).

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B10 (PAGE 1): ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - SUMMARY - F0 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	15	15	15	
FEED CONSUMPTION (G)					
DAYS 1 - 8	MEAN±S.D.	27.4 ± 2.0	26.2 ± 1.6	25.9 ± 2.4*	24.7 ± 1.4**
DAYS 8 - 15a	MEAN±S.D.	26.3 ± 2.8	25.8 ± 1.6 [14]b	25.5 ± 2.6	24.9 ± 1.9
DAYS 1 - 15a	MEAN±S.D.	26.9 ± 2.4	26.1 ± 1.4 [14]b	25.7 ± 2.3	24.8 ± 1.4**
DAYS 29c- 36	MEAN±S.D.	28.3 ± 2.8	27.2 ± 1.9	26.8 ± 2.8	26.0 ± 1.6
DAYS 1 - 36	MEAN±S.D.	27.3 ± 2.4	26.4 ± 1.5	26.1 ± 2.3	25.2 ± 1.3**

DAY = DAYS OF STUDY

[] = NUMBER OF VALUES AVERAGED

a. Last value recorded before cohabitation.

b. Excludes values that were associated with spillage.

c. First value recorded after cohabitation.

* Significantly different from the vehicle control group value ($p \leq 0.05$).

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B11 (PAGE 1): RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - SUMMARY - F₀ GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	15	15	15	
FEED CONSUMPTION (G)					
DAYS 1 - 8	MEAN±S.D.	75.1 ± 3.8	72.4 ± 3.2	71.4 ± 4.9*	70.0 ± 3.1**
DAYS 8 - 15a	MEAN±S.D.	66.0 ± 4.5	65.1 ± 3.4 [14]b	65.2 ± 4.4	65.2 ± 3.7
DAYS 1 - 15a	MEAN±S.D.	70.4 ± 3.9	68.6 ± 2.7 [14]b	68.2 ± 3.6	67.5 ± 2.7
DAYS 29c- 36	MEAN±S.D.	60.6 ± 3.2	59.5 ± 2.8	59.9 ± 4.3	59.8 ± 2.6
DAYS 1 - 36	MEAN±S.D.	65.3 ± 2.7	63.9 ± 2.2	64.0 ± 3.3	63.5 ± 2.1

DAYS = DAYS OF STUDY

[] = NUMBER OF VALUES AVERAGED

a. Last value recorded before cohabitation.

b. Excludes values that were associated with spillage.

c. First value recorded after cohabitation.

* Significantly different from the vehicle control group value ($p \leq 0.05$).

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B12 (PAGE 1): MATING AND FERTILITY - SUMMARY - F0 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS IN COHABITATION	N	15	15	15
DAYS IN COHABITATION a	MEAN±S.D.	2.9 ± 1.6	2.7 ± 1.0	3.5 ± 1.7
RATS THAT MATED b	N(%)	14 (93.3)	15 (100.0)	13 (86.7)
FERTILITY INDEX c,d	N/N (%)	14/14 (100.0)	14/15 (93.3)	13/13 (100.0)
RATS WITH CONFIRMED MATING DATES	N	14	15	13
MATED WITH FEMALE e				
DAYS 1- 7	N(%)	14 (100.0)	15 (100.0)	13 (100.0)
DAYS 8-14	N(%)	0 (0.0)	0 (0.0)	0 (0.0)
RATS PREGNANT/RATS IN COHABITATION d	N/N (%)	14/15 (93.3)	14/15 (93.3)	13/15 (86.7)
				12/15 (80.0)

- a. Restricted to rats with a confirmed mating date and rats that did not mate.
- b. Includes only one mating for each male rat.
- c. Number of pregnancies/number of rats that mated.
- d. Includes only one pregnancy for each rat that impregnated more than one female rat.
- e. Restricted to rats with a confirmed mating date.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B13 (PAGE 1): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - MALE RATS

DOSAGE GROUP	I	II	III	IV
DOSAGE (MG/KG/DAY)	0 (VEHICLE)	10	50	250
RATS	N	5	5	5
HOME CAGE BEHAVIOR				
1: Sleeping	N	0	0	0
2: Awake, Immobile	N	5	5	5
3: Normal movement	N	0	0	0
4: Unusual posture	N	0	0	0
5: Unusual behavior	N	0	0	0
ALTERATIONS (HOME CAGE)				
1: None	N	5	5	5
2: Stereotyped behavior	N	0	0	0
3: Bizarre behavior	N	0	0	0
4: Limb twitches/tremor	N	0	0	0
5: Whole body tremor/spasm	N	0	0	0
6: Unusual posture	N	0	0	0
7: Tonic-clonic seizure	N	0	0	0
REACTION TO REMOVAL				
(1) Sits quietly	N	5	5	5
(2) Vocalization	N	0	0	0
(3) Runs or freezes	N	0	0	0
(4) Tail or throat rattles	N	0	0	0
MEAN SCORE	1.0	1.0	1.0	1.0
REACTION TO HANDLING				
(1) No resistance	N	5	5	5
(2) Vocalization	N	0	0	0
(3) Tense	N	0	0	0
(4) Squirming	N	0	0	0
MEAN SCORE	1.0	1.0	1.0	1.0

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B13 (PAGE 2): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - MALE RATS

DOSAGE GROUP	I	II	III	IV	
DOSAGE (MG/KG/DAY)	0 (VEHICLE)	10	50	250	
RATS	N	5	5	5	
REARS IN OPEN FIELD	MEAN±S.D.	7.2 ± 2.9	7.2 ± 3.1	7.2 ± 4.2	10.6 ± 6.9
DEFECATION IN OPEN FIELD					
1: None	N	2	1	5	3
2: Feces normal	N	2	4	0	1
3: Soft or liquid feces	N	1	0	0	1
URINATION IN OPEN FIELD					
(1) None	N	1	0	3	3
(2) Normal urination	N	4	5	2	2
(3) Excess urination	N	0	0	0	0
	MEAN SCORE	1.8	2.0	1.4	1.4
LEVEL OF AROUSAL					
(1) Stuporous	N	0	0	0	0
(2) Sluggish	N	0	0	0	0
(3) Apparently normal	N	5	5	5	5
(4) Sudden darting	N	0	0	0	0
(5) Freezing, vocalization	N	0	0	0	0
	MEAN SCORE	1.0	3.0	3.0	3.0
ALTERATIONS (OPEN FIELD)					
1: None	N	5	5	5	5
2: Stereotyped behavior	N	0	0	0	0
3: Bizarre behavior	N	0	0	0	0
4: Limb twitches/tremor	N	0	0	0	0
5: Whole body tremor/spasm	N	0	0	0	0
6: Unusual posture	N	0	0	0	0
7: Tonic-clonic seizure	N	0	0	0	0

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

a. Excludes a value that was incorrectly recorded.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B13 (PAGE 3): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - MALE RATS

DOSAGE GROUP	I	II	III	IV
DOSAGE (MG/KG/DAY)	0 (VEHICLE)	10	50	250
RATS	N	5	5	5
GAIT PATTERN				
1: Apparently normal	N	5	5	5
2: Ataxic	N	0	0	0
3: Limbs splay or drag	N	0	0	0
4: Spastic, tip-toe	N	0	0	0
5: Duck-walk	N	0	0	0
6: Scissors gait	N	0	0	0
GAIT ABNORMALITY, SEVERITY				
(1) Normal gait	N	5	5	5
(2) Slight	N	0	0	0
(3) Moderate	N	0	0	0
(4) Extreme	N	0	0	0
MEAN SCORE	1.0	1.0	1.0	1.0
PALPEBRAL CLOSURE				
(1) Wide open	N	5	5	5
(2) Slightly drooping	N	0	0	0
(3) Half-closed	N	0	0	0
(4) Completely shut	N	0	0	0
MEAN SCORE	1.0	1.0	1.0	1.0
PROMINENCE OF THE EYE				
1: Normal	N	5	5	5
2: Exophthalmos	N	0	0	0
3: Enophthalmos	N	0	0	0

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B13 (PAGE 4): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - MALE RATS

DOSAGE GROUP		I	II	III	IV
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	10	50	250
RATS	N	5	5	5	5
LACRIMATION					
(1) No excess	N	5	5	5	5
(2) Excess at eyelid margin	N	0	0	0	0
(3) Margin persistently damp	N	0	0	0	0
(4) Extends beyond margin	N	0	0	0	0
	MEAN SCORE	1.0	1.0	1.0	1.0
SALIVATION					
(1) No excess	N	5	5	5	5
(2) Margin of mouth wet	N	0	0	0	0
(3) 1/4 to 1/2 submandibular	N	0	0	0	0
(4) Entire submandibular	N	0	0	0	0
	MEAN SCORE	1.0	1.0	1.0	1.0
PILOERECTION					
ABNORMAL RESPIRATION					
APPEARANCE					
(1) Clean and groomed	N	5	5	5	5
(2) Unkempt	N	0	0	0	0
(3) Urine and/or fecal stain	N	0	0	0	0
	MEAN SCORE	1.0	1.0	1.0	1.0
VISUAL REACTION					
(1) None	N	0	0	0	0
(2) Orienting	N	5	5	5	5
(3) Startle	N	0	0	0	0
(4) More energetic reaction	N	0	0	0	0
(5) Attacks	N	0	0	0	0
	MEAN SCORE	2.0	2.0	2.0	2.0

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B13 (PAGE 5): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - MALE RATS

DOSAGE GROUP	I	II	III	IV
DOSAGE (MG/KG/DAY)	0 (VEHICLE)	10	50	250
RATS	N	5	5	5
TACTILE REACTION				
(1) None	N	0	0	0
(2) Orienting	N	5	5	5
(3) Startle	N	0	0	0
(4) More energetic reaction	N	0	0	0
(5) Attacks	N	0	0	0
MEAN SCORE	2.0	2.0	2.0	2.0
AUDITORY REACTION				
(1) None	N	0	0	0
(2) Orienting	N	0	0	0
(3) Startle	N	5	5	5
(4) More energetic reaction	N	0	0	0
(5) Intense vocalization	N	0	0	0
MEAN SCORE	3.0	3.0	3.0	3.0
TAIL-PINCH REACTION				
(1) None	N	0	0	0
(2) Orienting	N	5	5	5
(3) Startle	N	0	0	0
(4) More energetic reaction	N	0	0	0
(5) Attacks	N	0	0	0
MEAN SCORE	2.0	2.0	2.0	2.0
VISUAL PLACING RESPONSE				
(1) Early extension	N	5	5	5
(2) Extension after contact	N	0	0	0
(3) No extension	N	0	0	0
MEAN SCORE	1.0	1.0	1.0	1.0

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B13 (PAGE 6): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - MALE RATS

DOSAGE GROUP	I	II	III	IV
DOSAGE (MG/KG/DAY)	0 (VEHICLE)	10	50	250
RATS	N	5	5	5
AIR RIGHTING RESPONSE				
(1) All feet land on ground	N	5	5	5
(2) Lands on side	N	0	0	0
(3) Lands on back	N	0	0	0
	MEAN SCORE	1.0	1.0	1.0
PUPIL RESPONSE TO LIGHT				
	N	5	5	5
FORELIMB GRIP TEST				
Maximum (G)	MEAN±S.D.	375.0 ± 120.9	423.0 ± 55.0	404.0 ± 110.4
Average (G)	MEAN±S.D.	337.6 ± 112.8	393.4 ± 50.4	293.0 ± 114.2
				276.4 ± 105.8
HINDLIMB GRIP TEST				
Maximum (G)	MEAN±S.D.	387.0 ± 123.0	341.0 ± 66.8	420.0 ± 99.7
Average (G)	MEAN±S.D.	355.0 ± 105.3	309.0 ± 55.1	354.0 ± 104.0
				315.0 ± 97.8
LANDING FOOT SPLAY				
Average (CM)	MEAN±S.D.	8.6 ± 1.5	9.6 ± 2.2	8.0 ± 1.3
				7.9 ± 1.3
BODY WEIGHT (G)	N	464.6 ± 37.3	457.5 ± 19.9	438.6 ± 28.4
				422.4 ± 12.3

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B14 (PAGE 1): MOTOR ACTIVITY - SUMMARY - F0 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
DAY 86					
NUMBER OF RATS	N	5	5	5	
NUMBER OF MOVEMENTS					
BLOCK 1	MEAN ± S.D.	65.4 ± 9.9	67.0 ± 10.0	64.0 ± 4.1	65.6 ± 5.3
BLOCK 2	MEAN ± S.D.	72.0 ± 7.6	67.8 ± 9.0	63.2 ± 15.3	72.2 ± 12.2
BLOCK 3	MEAN ± S.D.	69.8 ± 4.1	70.4 ± 15.1	66.8 ± 11.6	62.0 ± 9.0
BLOCK 4	MEAN ± S.D.	58.0 ± 18.9	62.4 ± 14.6	54.6 ± 14.5	61.2 ± 10.8
BLOCK 5	MEAN ± S.D.	29.8 ± 29.2	63.4 ± 19.9	42.8 ± 30.9	25.6 ± 29.2
BLOCK 6	MEAN ± S.D.	31.2 ± 28.8	51.6 ± 30.9	28.4 ± 24.5	16.0 ± 22.4
BLOCK 7	MEAN ± S.D.	35.0 ± 35.3	41.4 ± 28.8	22.4 ± 29.7	10.8 ± 21.4
BLOCK 8	MEAN ± S.D.	44.8 ± 27.6	50.2 ± 31.9	25.4 ± 22.4	8.2 ± 13.1
BLOCK 9	MEAN ± S.D.	35.0 ± 34.2	41.4 ± 23.7	32.2 ± 31.3	1.4 ± 1.7
BLOCK 10	MEAN ± S.D.	18.8 ± 23.7	36.4 ± 30.2	44.4 ± 27.2	10.8 ± 20.9
BLOCK 11	MEAN ± S.D.	20.0 ± 27.0	33.0 ± 22.8	35.8 ± 31.7	26.0 ± 24.2
BLOCK 12	MEAN ± S.D.	31.8 ± 38.6	24.6 ± 19.5	22.4 ± 22.3	22.6 ± 27.8
BLOCK 13	MEAN ± S.D.	26.0 ± 31.5	22.8 ± 29.9	19.4 ± 27.6	7.4 ± 7.7
BLOCK 14	MEAN ± S.D.	14.8 ± 25.5	27.2 ± 26.2	19.8 ± 24.1	3.8 ± 6.8
BLOCK 15	MEAN ± S.D.	11.2 ± 21.8	18.6 ± 24.3	15.4 ± 23.9	8.0 ± 12.5
BLOCK 16	MEAN ± S.D.	14.8 ± 22.6	18.0 ± 21.1	22.0 ± 21.0	16.2 ± 24.2
BLOCK 17	MEAN ± S.D.	13.8 ± 25.9	4.8 ± 5.3	13.4 ± 23.0	3.8 ± 6.9
BLOCK 18	MEAN ± S.D.	12.4 ± 23.9	3.8 ± 5.0	7.6 ± 14.8	3.4 ± 4.7
TOTAL	MEAN ± S.D.	604.6 ± 292.0	704.8 ± 280.9	600.0 ± 120.2	425.0 ± 91.8

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B14 (PAGE 2): MOTOR ACTIVITY - SUMMARY - F0 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
DAY 86				
NUMBER OF RATS	N	5	5	5
TIME (SECONDS) SPENT IN MOVEMENT				
BLOCK 1	MEAN ± S.D.	178.6 ± 20.7	204.8 ± 16.2	188.4 ± 19.3
BLOCK 2	MEAN ± S.D.	170.8 ± 18.0	167.4 ± 10.1	135.0 ± 31.2
BLOCK 3	MEAN ± S.D.	140.8 ± 42.6	140.2 ± 23.4	123.4 ± 20.5
BLOCK 4	MEAN ± S.D.	77.8 ± 18.5	101.8 ± 22.4	101.6 ± 30.8
BLOCK 5	MEAN ± S.D.	41.8 ± 54.5	101.4 ± 39.2	56.2 ± 43.7
BLOCK 6	MEAN ± S.D.	51.0 ± 62.5	85.4 ± 50.9	33.2 ± 28.1
BLOCK 7	MEAN ± S.D.	45.2 ± 49.3	66.4 ± 61.9	33.4 ± 50.3
BLOCK 8	MEAN ± S.D.	64.8 ± 43.6	70.4 ± 48.2	26.8 ± 31.0
BLOCK 9	MEAN ± S.D.	56.4 ± 59.5	75.0 ± 46.2	38.2 ± 39.3
BLOCK 10	MEAN ± S.D.	27.8 ± 47.1	47.0 ± 39.9	72.6 ± 55.4
BLOCK 11	MEAN ± S.D.	30.6 ± 42.4	40.0 ± 36.4	60.4 ± 64.3
BLOCK 12	MEAN ± S.D.	39.6 ± 52.6	35.8 ± 35.6	26.2 ± 27.9
BLOCK 13	MEAN ± S.D.	35.6 ± 47.6	30.0 ± 39.9	21.8 ± 31.0
BLOCK 14	MEAN ± S.D.	24.2 ± 49.7	27.8 ± 28.4	22.6 ± 30.9
BLOCK 15	MEAN ± S.D.	20.4 ± 45.6	20.2 ± 29.9	19.4 ± 34.8
BLOCK 16	MEAN ± S.D.	21.8 ± 43.8	22.2 ± 30.4	26.4 ± 28.4
BLOCK 17	MEAN ± S.D.	17.2 ± 37.4	4.0 ± 6.2	20.0 ± 36.4
BLOCK 18	MEAN ± S.D.	14.8 ± 32.0	2.6 ± 4.3	12.2 ± 26.2
TOTAL	MEAN ± S.D.	1059.2 ± 547.0	1242.4 ± 381.5	1017.8 ± 181.4
TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.				

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B15 (PAGE 1): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP I	VEHICLE	0 (VEHICLE) MG/KG/DAY
RAT #	DESCRIPTION	
17601	NO ADVERSE FINDINGS	
17602	NO ADVERSE FINDINGS	
17603 DS(35)	CHROMORHINORRHEA	
17604	NO ADVERSE FINDINGS	
17607	NO ADVERSE FINDINGS	
17608	NO ADVERSE FINDINGS	
17618	NO ADVERSE FINDINGS	
17630	NO ADVERSE FINDINGS	
17631 DS(11)	SOFT OR LIQUID FECES	
17639 DS(14- 15)	SOFT OR LIQUID FECES	
	DS(34)	CHROMORHINORRHEA
17648	NO ADVERSE FINDINGS	
17652	NO ADVERSE FINDINGS	
17656	NO ADVERSE FINDINGS	
17658	NO ADVERSE FINDINGS	
17660 DS(34- 35)	CHROMORHINORRHEA	

DS = DAY OF STUDY

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B15 (PAGE 2): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP II	LOW DOSAGE	10 MG/KG/DAY
RAT #	DESCRIPTION	
17615	DS(34)	PENIS: RED SUBSTANCE
17616	DS(34- 35)	CHROMORHINORRHEA
17624		NO ADVERSE FINDINGS
17626		NO ADVERSE FINDINGS
17632		NO ADVERSE FINDINGS
17634	DS(14)	CHROMORHINORRHEA
	DS(35)	CHROMORHINORRHEA
17635		NO ADVERSE FINDINGS
17638		NO ADVERSE FINDINGS
17642		NO ADVERSE FINDINGS
17643	DS(14)	CHROMORHINORRHEA
17645	DS(10)	SOFT OR LIQUID FECES
	DS(14)	SOFT OR LIQUID FECES
17649		NO ADVERSE FINDINGS
17651	DS(15)	SOFT OR LIQUID FECES
17653	DS(14)	CHROMORHINORRHEA
17655		NO ADVERSE FINDINGS

DS = DAY OF STUDY

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B15 (PAGE 3): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP III	MIDDLE DOSAGE	50 MG/KG/DAY
RAT #	DESCRIPTION	
17605	NO ADVERSE FINDINGS	
17610	DS(14)	CHROMORHINORRHEA
	DS(16)	URINE-STAINED ABDOMINAL FUR
	DS(27)	CHROMORHINORRHEA
17611	NO ADVERSE FINDINGS	
17613	NO ADVERSE FINDINGS	
17619	NO ADVERSE FINDINGS	
17620	NO ADVERSE FINDINGS	
17623	NO ADVERSE FINDINGS	
17627	DS(23)	CHROMODACRYORRHEA
	DS(23)	INCISORS: MISSING/BROKEN
17628	DS(10)	PENIS: RED SUBSTANCE
17633	NO ADVERSE FINDINGS	
17640	NO ADVERSE FINDINGS	
17646	DS(32- 37)	LOCALIZED ALOPECIA: LIMBS a
17650	NO ADVERSE FINDINGS	
17657	NO ADVERSE FINDINGS	
17659	NO ADVERSE FINDINGS	

DS = DAY OF STUDY

a. Observation confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B15 (PAGE 4): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP IV	HIGH DOSAGE	250 MG/KG/DAY
RAT #	DESCRIPTION	
17606	DS(10)	EXCESS SALIVATION
	DS(12- 13)	EXCESS SALIVATION
	DS(17)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(23)	EXCESS SALIVATION
	DS(30- 31)	EXCESS SALIVATION
	DS(33)	EXCESS SALIVATION
	DS(12)	CHROMORHINORRHEA
	DS(12- 13)	CHROMODACRYORRHEA
	DS(14)	CHROMORHINORRHEA
	DS(14- 22)	INCISORS: MISSING/BROKEN
17609	DS(16- 17)	CHROMODACRYORRHEA
	DS(32)	EXCESS SALIVATION
	DS(30)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(35)	PENIS: RED SUBSTANCE
	DS(14- 15)	CHROMORHINORRHEA
17612	DS(29)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(1)	EXCESS SALIVATION
	DS(14)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(14)	URINE-STAINED ABDOMINAL FUR
	DS(16)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(29)	EXCESS SALIVATION
	DS(32)	EXCESS SALIVATION
17614	DS(37)	URINE-STAINED ABDOMINAL FUR
	DS(1)	EXCESS SALIVATION
	DS(14)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(14)	URINE-STAINED ABDOMINAL FUR
	DS(16)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(29)	EXCESS SALIVATION
17617	DS(32)	EXCESS SALIVATION
	DS(37)	URINE-STAINED ABDOMINAL FUR
	DS(1)	EXCESS SALIVATION
	DS(14)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(14)	URINE-STAINED ABDOMINAL FUR
	DS(16)	RED, SLIGHT PERIORAL SUBSTANCE

DS = DAY OF STUDY

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B15 (PAGE 5): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP IV	HIGH DOSAGE	250 MG/KG/DAY
RAT #	DESCRIPTION	
17621	DS(25)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(30)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(31)	EXCESS SALIVATION
	DS(35)	EXCESS SALIVATION
17622	DS(16- 17)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(23- 31)	RIGHT FORELIMB: SCAB(S) (DID NOT EXCEED 2.5 CM X 0.5 CM)
	DS(32)	RIGHT FORELIMB: ULCERATION (1.0 CM IN DIAMETER)
	DS(32)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(33- 37)	RIGHT FORELIMB: SCAB(S) (DID NOT EXCEED 1.0 CM IN DIAMETER)a
	DS(37)	CHROMODACRYORRHEA a
	DS(37)	LOCALIZED ALOPECIA: LIMBS a
17625	DS(32)	RED, SLIGHT PERIORAL SUBSTANCE
17629	DS(6- 7)	CHROMORHINORRHEA
	DS(14)	URINE-STAINED ABDOMINAL FUR
	DS(19)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(24)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(30)	EXCESS SALIVATION
	DS(31- 35)	URINE-STAINED ABDOMINAL FUR
	DS(37)	URINE-STAINED ABDOMINAL FUR
17636	DS(14)	EXCESS SALIVATION
	DS(37)	URINE-STAINED ABDOMINAL FUR
17637	DS(15)	EXCESS SALIVATION
17641	DS(11)	EXCESS SALIVATION
	DS(15)	EXCESS SALIVATION
	DS(23- 37)	LOCALIZED ALOPECIA: LIMBS a
	DS(31)	EXCESS SALIVATION
	DS(33- 34)	EXCESS SALIVATION
17644	DS(17)	RED, SLIGHT PERIORAL SUBSTANCE
	DS(32- 35)	URINE-STAINED ABDOMINAL FUR
17647	DS(3)	SOFT OR LIQUID FECES
	DS(10)	EXCESS SALIVATION
	DS(13)	EXCESS SALIVATION
17654	DS(3)	SOFT OR LIQUID FECES
	DS(11)	EXCESS SALIVATION
	DS(29)	RED, SLIGHT PERIORAL SUBSTANCE

DS = DAY OF STUDY

a. Observation confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B16 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSES ADMINISTERED	OBSERVATIONS a
I				
0 (VEHICLE)	17601	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17602	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17603	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17604	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17607	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17608	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17618	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17630	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17631	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17639	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17648	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17652	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17656	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17658	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17660	DS 37	36	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B15) for external observations confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B16 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSES ADMINISTERED	OBSERVATIONS a
II				
10	17615	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17616	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17624	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17626	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17632	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17634	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17635	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17638	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17642	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17643	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17645	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17649	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17651	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17653	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17655	DS 37	36	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B15) for external observations confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B16 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSES ADMINISTERED	OBSERVATIONS a
III				
50	17605	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17610	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17611	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17613	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17619	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17620	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17623	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17627	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17628	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17633	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17640	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17646	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17650	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17657	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17659	DS 37	36	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B15) for external observations confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B16 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	DOSES ADMINISTERED	OBSERVATIONS a
IV 250	17606	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17609	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17612	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17614	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17617	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17621	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17622	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17625	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17629	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17636	DS 37	36	PROSTATE: RIGHT HEMISPHERE, TAN, FIRM, LOBULAR MASS (2.8 CM X 0.9 CM X 0.7 CM), CUT SURFACE REVEALED A TAN, SMOOTH SURFACE; VENTRAL RIGHT SIDE, RED. ALL OTHER TISSUES APPEARED NORMAL.
	17637	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17641	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17644	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17647	DS 37	36	ALL TISSUES APPEARED NORMAL.
	17654	DS 37	36	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY

a. Refer to the individual clinical observations table (Table B15) for external observations confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 1): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP I				VEHICLE				0 (VEHICLE) MG/KG/DAY							
RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT		TESTIS LEFT		EPIDIDYMIS RIGHT		TESTIS RIGHT		BRAIN		LIVER			
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW		
17601	439.	0.82	0.19	1.70	0.39	0.79	0.18	1.73	0.39			12.36	2.82		
17602	512.	0.80	0.16	1.76	0.34	0.82	0.16	1.78	0.35			15.56	3.04		
17603	446.	0.74	0.16	1.80	0.40	0.76	0.17	1.71	0.38			13.86	3.11		
17604	433.	0.80	0.18	1.96	0.45	0.82	0.19	1.99	0.46			11.86	2.74		
17607	418.	0.73	0.17	1.78	0.42	0.81	0.19	1.73	0.41			12.97	3.10		
17608	469.	0.84	0.18	1.77	0.38	0.88	0.19	1.72	0.37	2.42	0.52	14.64	3.12		
17618	422.	0.71	0.17	1.69	0.40	0.76	0.18	1.61	0.38	2.32	0.55	13.24	3.14		
17630	448.	0.75	0.17	1.80	0.40	0.78	0.17	1.79	0.40	2.39	0.53	13.82	3.08		
17631	439.	0.67	0.15	1.68	0.38	0.64	0.14	1.78	0.40	2.28	0.52	13.55	3.09		
17639	483.	0.69	0.14	1.51	0.31	0.70	0.14	1.50	0.31	2.12	0.44	14.04	2.91		
17648	415.	0.77	0.18	1.87	0.45	0.81	0.20	1.90	0.46	2.23	0.54	11.97	2.88		
17652	520.	0.72	0.14	1.68	0.32	0.75	0.14	1.71	0.33	2.46	0.47	16.55	3.18		
17656	428.	0.71	0.16	2.02	0.47	0.69	0.16	1.92	0.45	2.36	0.55	13.25	3.10		
17658	433.	0.63	0.14	1.51	0.35	0.70	0.16	1.50	0.35	2.25	0.52	13.27	3.06		
17660	401.	0.74	0.18	1.84	0.46	0.68	0.17	1.77	0.44	2.29	0.57	13.17	3.28		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ABS. WT. = ORGAN WEIGHT.

REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 2): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP I				VEHICLE				0 (VEHICLE) MG/KG/DAY							
RAT NUMBER	TERMINAL BODY WEIGHT	KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT		SPLEEN		THYMUS			
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
17608	469.	2.06	0.44	2.11	0.45	0.033	7.04	0.032	6.82	0.77	0.16	0.53	0.11		
17618	422.	2.09	0.50	2.02	0.48	0.031	7.34	0.034	8.06	0.87	0.21	0.49	0.12		
17630	448.	1.98	0.44	2.03	0.45	0.032	7.14	0.026	5.80	0.81	0.18	0.34	0.08		
17631	439.	1.81	0.41	1.92	0.44	0.027	6.15	0.029	6.60	1.01	0.23	0.59	0.13		
17639	483.	2.02	0.42	2.10	0.43	0.027	5.59	0.026	5.38	1.02	0.21	0.71	0.15		
17648	415.	1.89	0.46	2.00	0.48	0.025	6.02	0.030	7.23	0.84	0.20	0.50	0.12		
17652	520.	2.04	0.39	1.97	0.38	0.034	6.54	0.029	5.58	0.85	0.16	0.56	0.11		
17656	428.	1.69	0.39	1.84	0.43	0.028	6.54	0.024	5.61	0.86	0.20	0.35	0.08		
17658	433.	1.69	0.39	1.94	0.45	0.029	6.70	0.030	6.93	1.02	0.24	0.82	0.19		
17660	401.	2.10	0.52	2.09	0.52	0.008b	2.00b	0.021	5.24	0.86	0.21	0.54	0.13		

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

a. Value was multiplied by 1000.

b. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 3): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP I		VEHICLE		O (VEHICLE) MG/KG/DAY
RAT NUMBER	TERMINAL BODY WEIGHT	HEART		0 (VEHICLE) MG/KG/DAY
		ABS. WT.	REL. % TBW	
17608	469.	1.46	0.31	
17618	422.	1.43	0.34	
17630	448.	1.51	0.34	
17631	439.	1.61	0.37	
17639	483.	1.63	0.34	
17648	415.	1.66	0.40	
17652	520.	1.64	0.32	
17656	428.	1.36	0.32	
17658	433.	1.52	0.35	
17660	401.	1.28	0.32	

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 4): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP II				LOW DOSAGE				10 MG/KG/DAY							
RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS LEFT		TESTIS LEFT		EPIDIDYMIS RIGHT		TESTIS RIGHT		BRAIN		LIVER			
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
17615	424.	0.66	0.16	1.76	0.42	0.70	0.16	1.75	0.41			12.66	2.98		
17616	437.	0.83	0.19	1.71	0.39	0.91	0.21	1.73	0.40			14.57	3.33		
17624	417.	0.65	0.16	0.69	0.16	0.68	0.16	1.57	0.38			12.06	2.89		
17626	456.	0.74	0.16	1.68	0.37	0.69	0.15	1.67	0.37			14.49	3.18		
17632	457.	0.68	0.15	1.76	0.38	0.71	0.16	1.83	0.40			13.60	2.98		
17634	433.	0.64	0.15	1.51	0.35	0.70	0.16	1.60	0.37	2.29	0.53	13.01	3.00		
17635	440.	0.83	0.19	1.69	0.38	0.87	0.20	1.80	0.41	2.31	0.52	14.06	3.20		
17638	452.	0.80	0.18	1.88	0.42	0.79	0.17	1.88	0.42	2.45	0.54	14.20	3.14		
17642	413.	0.72	0.17	1.70	0.41	0.76	0.18	1.72	0.42	2.21	0.54	12.00	2.90		
17643	494.	0.79	0.16	1.86	0.38	0.80	0.16	1.84	0.37	2.26	0.46	18.47	3.74		
17645	440.	0.90	0.20	1.91	0.43	0.86	0.20	1.91	0.43	2.40	0.54	16.04	3.64		
17649	440.	0.57	0.13	1.47	0.33	0.59	0.13	1.47	0.33	2.02	0.46	12.55	2.85		
17651	434.	0.69	0.16	1.58	0.36	0.68	0.16	1.68	0.39	2.20	0.51	11.98	2.76		
17653	442.	0.60	0.14	1.76	0.40	0.55	0.12	1.70	0.38	2.18	0.49	14.34	3.24		
17655	406.	0.69	0.17	1.70	0.42	0.75	0.18	1.69	0.42	2.15	0.53	12.82	3.16		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ABS. WT. = ORGAN WEIGHT.

REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 5): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP II				LOW DOSAGE				10 MG/KG/DAY							
RAT NUMBER	TERMINAL BODY WEIGHT	KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT		SPLEEN		THYMUS			
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
17634	433.	1.97	0.45	1.89	0.44	0.027	6.24	0.029	6.70	0.69	0.16	0.53	0.12		
17635	440.	2.10	0.48	2.21	0.50	0.031	7.04	0.029	6.59	0.84	0.19	0.61	0.14		
17638	452.	1.87	0.41	1.97	0.44	0.029	6.42	0.032	7.08	0.75	0.16	0.53	0.12		
17642	413.	1.82	0.44	1.89	0.46	0.026	6.30	0.032	7.75	0.85	0.20	0.48	0.12		
17643	494.	2.10	0.42	2.26	0.46	0.028	5.67	0.034	6.88	0.94	0.19	0.53	0.11		
17645	440.	2.14	0.49	2.14	0.49	0.026	5.91	0.029	6.59	0.99	0.22	0.37	0.08		
17649	440.	1.83	0.42	1.81	0.41	0.037	8.41	0.041	9.32	0.58	0.13	0.24	0.05		
17651	434.	1.72	0.40	1.78	0.41	0.038	8.76	0.040	9.22	0.70	0.16	0.24	0.06		
17653	442.	1.91	0.43	1.90	0.43	0.022	4.98	0.027	6.11	0.74	0.17	0.36	0.08		
17655	406.	2.19	0.54	2.37	0.58	0.031	7.64	0.024	5.91	0.83	0.20	0.45	0.11		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ABS. WT. = ORGAN WEIGHT.

REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

a. Value was multiplied by 1000.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 6): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP II		LOW DOSAGE		10 MG/KG/DAY
RAT NUMBER	TERMINAL BODY WEIGHT	HEART		10 MG/KG/DAY
		ABS. WT.	REL. % TBW	
17634	433.	1.59	0.37	
17635	440.	1.40	0.32	
17638	452.	1.57	0.35	
17642	413.	1.37	0.33	
17643	494.	1.82	0.37	
17645	440.	1.72	0.39	
17649	440.	1.28	0.29	
17651	434.	1.56	0.36	
17653	442.	1.18	0.27	
17655	406.	1.45	0.36	

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 7): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP III				MIDDLE DOSAGE				50 MG/KG/DAY							
RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS		TESTIS		EPIDIDYMIS		TESTIS		BRAIN		LIVER			
		LEFT WT.	ABS. % TBW	LEFT WT.	ABS. % TBW	RIGHT WT.	ABS. % TBW	RIGHT WT.	ABS. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
17605	392.	0.73	0.19	1.66	0.42	0.75	0.19	1.62	0.41					12.49	3.19
17610	467.	0.74	0.16	1.73	0.37	0.71	0.15	1.77	0.38					15.99	3.42
17611	422.	0.64	0.15	1.65	0.39	0.64	0.15	1.67	0.40					12.49	2.96
17613	411.	0.92	0.22	1.94	0.47	0.97	0.24	2.09	0.51					13.00	3.16
17619	410.	0.70	0.17	1.88	0.46	0.76	0.18	1.82	0.44					14.61	3.56
17620	475.	0.70	0.15	1.63	0.34	0.65	0.14	1.67	0.35	2.48	0.52			16.22	3.41
17623	426.	0.70	0.16	1.64	0.38	0.71	0.17	1.64	0.38	2.46	0.58			13.91	3.26
17627	415.	0.67	0.16	1.61	0.39	0.71	0.17	1.68	0.40	2.39	0.58			12.79	3.08
17628	389.	0.80	0.20	1.86	0.48	0.80	0.20	1.77	0.46	2.24	0.58			12.94	3.33
17633	484.	0.74	0.15	1.94	0.40	0.74	0.15	1.92	0.40	2.38	0.49			16.89	3.49
17640	398.	0.69	0.17	1.76	0.44	0.72	0.18	1.82	0.46	2.21	0.56			12.58	3.16
17646	423.	0.64	0.15	1.66	0.39	0.64	0.15	1.64	0.39	2.29	0.54			13.15	3.11
17650	482.	0.73	0.15	1.58	0.33	0.75	0.16	1.59	0.33	2.42	0.50			15.87	3.29
17657	417.	0.57	0.14	1.49	0.36	0.62	0.15	1.54	0.37	2.34	0.56			13.85	3.32
17659	418.	0.81	0.19	1.98	0.47	0.80	0.19	1.88	0.45	2.34	0.56			14.18	3.39

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ABS. WT. = ORGAN WEIGHT.

REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 8): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP III				MIDDLE DOSAGE				50 MG/KG/DAY							
RAT NUMBER	TERMINAL BODY WEIGHT	KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT		SPLEEN		THYMUS			
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
17620	475.	2.30	0.48	2.37	0.50	0.027	5.68	0.026	5.47	0.83	0.17	0.24	0.05		
17623	426.	2.00	0.47	2.09	0.49	0.029	6.81	0.031	7.28	0.68	0.16	0.62	0.14		
17627	415.	1.82	0.44	1.92	0.46	0.035	8.43	0.033	7.95	0.77	0.18	0.49	0.12		
17628	389.	2.30	0.59	2.29	0.59	0.032	8.23	0.030	7.71	1.05	0.27	0.23	0.06		
17633	484.	2.36	0.49	2.37	0.49	0.033	6.82	0.031	6.40	1.02	0.21	0.55	0.11		
17640	398.	2.26	0.57	2.29	0.58	0.030	7.54	0.028	7.04	0.70	0.18	0.31	0.08		
17646	423.	2.08	0.49	2.00	0.47	0.014	3.31	0.028	6.62	0.83	0.20	0.62	0.15		
17650	482.	1.93	0.40	1.92	0.40	0.031	6.43	0.033	6.85	0.85	0.18	0.40	0.08		
17657	417.	2.00	0.48	2.09	0.50	0.027	6.47	0.026	6.24	0.81	0.19	0.45	0.11		
17659	418.	2.19	0.52	2.23	0.53	0.030	7.18	0.028	6.70	0.95	0.23	0.38	0.09		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ABS. WT. = ORGAN WEIGHT.

REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

a. Value was multiplied by 1000.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 9): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP III		MIDDLE DOSAGE		50 MG/KG/DAY
RAT NUMBER	TERMINAL BODY WEIGHT	HEART		
		ABS. WT.	REL. % TBW	
17620	475.	1.62	0.34	
17623	426.	1.46	0.34	
17627	415.	1.08	0.26	
17628	389.	1.43	0.37	
17633	484.	1.54	0.32	
17640	398.	1.37	0.34	
17646	423.	1.52	0.36	
17650	482.	1.40	0.29	
17657	417.	1.57	0.38	
17659	418.	1.58	0.38	

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 10): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP IV				HIGH DOSAGE				250 MG/KG/DAY					
RAT NUMBER	TERMINAL BODY WEIGHT	EPIDIDYMIS		TESTIS		EPIDIDYMIS		TESTIS		BRAIN		LIVER	
		LEFT WT.	ABS. % TBW	LEFT WT.	ABS. % TBW	RIGHT WT.	ABS. % TBW	RIGHT WT.	ABS. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
17606	390.	0.71	0.18	1.81	0.46	0.71	0.18	1.81	0.46			14.69	3.77
17609	407.	0.84	0.21	1.80	0.44	0.77	0.19	1.92	0.47			15.67	3.85
17612	388.	0.76	0.20	1.88	0.48	0.78	0.20	1.89	0.49			16.48	4.25
17614	428.	0.76	0.18	1.80	0.42	0.74	0.17	1.80	0.42			23.34	5.45
17617	394.	0.67	0.17	1.80	0.46	0.69	0.18	1.87	0.47			19.20	4.87
17621	417.	0.70	0.17	1.80	0.43	0.67	0.16	1.81	0.43	2.52	0.60	16.80	4.03
17622	407.	0.66	0.16	1.66	0.41	0.76	0.19	1.72	0.42	2.47	0.61	18.75	4.61
17625	431.	0.69	0.16	1.53	0.35	0.64	0.15	1.48	0.34	2.20	0.51	18.98	4.40
17629	414.	0.73	0.18	1.66	0.40	0.67	0.16	1.70	0.41	2.44	0.59	18.26	4.41
17636	445.	0.67	0.15	1.96	0.44	0.72	0.16	1.96	0.44	2.01	0.45	21.64	4.86
17637	427.	0.64	0.15	1.63	0.38	0.65	0.15	1.65	0.39	2.23	0.52	19.80	4.64
17641	416.	0.73	0.18	1.56	0.38	0.73	0.18	1.54	0.37	2.33	0.56	18.99	4.56
17644	407.	0.70	0.17	1.67	0.41	0.71	0.17	1.64	0.40	2.27	0.56	17.54	4.31
17647	400.	0.74	0.18	1.93	0.48	0.72	0.18	1.85	0.46	2.19	0.55	18.47	4.62
17654	413.	0.62	0.15	1.60	0.39	0.57	0.14	1.65	0.40	2.50	0.60	16.03	3.88

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ABS. WT. = ORGAN WEIGHT.

REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 11): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP IV				HIGH DOSAGE				250 MG/KG/DAY							
RAT NUMBER	TERMINAL BODY WEIGHT	KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT		SPLEEN		THYMUS			
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW		
17621	417.	2.09	0.50	2.29	0.55	0.030	7.19	0.029	6.95	0.75	0.18	0.51	0.12		
17622	407.	2.17	0.53	2.05	0.50	0.031	7.62	0.028	6.88	0.70	0.17	0.43	0.10		
17625	431.	2.15	0.50	2.12	0.49	0.020	4.64	0.018	4.18	1.05	0.24	0.60	0.14		
17629	414.	1.94	0.47	2.02	0.49	0.023	5.56	0.027	6.52	0.80	0.19	0.36	0.09		
17636	445.	2.21	0.50	2.29	0.51	0.045	10.11	0.027	6.07	0.89	0.20	0.20	0.04		
17637	427.	2.11	0.49	2.19	0.51	0.032	7.49	0.029	6.79	0.84	0.20	0.37	0.09		
17641	416.	2.39	0.57	2.34	0.56	0.034	8.17	0.034	8.17	0.70	0.17	0.40	0.10		
17644	407.	2.34	0.57	2.35	0.58	0.022	5.40	0.028	6.88	0.82	0.20	0.25	0.06		
17647	400.	2.08	0.52	2.09	0.52	0.028	7.00	0.028	7.00	0.84	0.21	0.40	0.10		
17654	413.	2.13	0.52	2.07	0.50	0.031	7.51	0.027	6.54	0.87	0.21	0.49	0.12		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ABS. WT. = ORGAN WEIGHT.

REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

a. Value was multiplied by 1000.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B17 (PAGE 12): TERMINAL BODY WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP IV		HIGH DOSAGE		250 MG/KG/DAY
RAT NUMBER	TERMINAL BODY WEIGHT	HEART		
		ABS. WT.	REL. % TBW	
17621	417.	1.35	0.32	
17622	407.	1.41	0.35	
17625	431.	1.88	0.44	
17629	414.	1.29	0.31	
17636	445.	1.37	0.31	
17637	427.	1.37	0.32	
17641	416.	1.39	0.33	
17644	407.	1.38	0.34	
17647	400.	1.57	0.39	
17654	413.	1.53	0.37	

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B18 (PAGE 1): BRAIN WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP I		VEHICLE										0 (VEHICLE) MG/KG/DAY			
RAT NUMBER	BRAIN WEIGHT	EPIDIDYMIS LEFT		TESTIS LEFT		EPIDIDYMIS RIGHT		TESTIS RIGHT		LIVER		KIDNEY LEFT			
		ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW
17608	2.42	0.84	34.71	1.77	73.14	0.88	36.36	1.72	71.07	14.64	604.96	2.06	85.12		
17618	2.32	0.71	30.60	1.69	72.84	0.76	32.76	1.61	69.40	13.24	570.69	2.09	90.09		
17630	2.39	0.75	31.38	1.80	75.31	0.78	32.64	1.79	74.90	13.82	578.24	1.98	82.84		
17631	2.28	0.67	29.38	1.68	73.68	0.64	28.07	1.78	78.07	13.55	594.30	1.81	79.38		
17639	2.12	0.69	32.55	1.51	71.23	0.70	33.02	1.50	70.75	14.04	662.26	2.02	95.28		
17648	2.23	0.77	34.53	1.87	83.86	0.81	36.32	1.90	85.20	11.97	536.77	1.89	84.75		
17652	2.46	0.72	29.27	1.68	68.29	0.75	30.49	1.71	69.51	16.55	672.76	2.04	82.93		
17656	2.36	0.71	30.08	2.02	85.59	0.69	29.24	1.92	81.36	13.25	561.44	1.69	71.61		
17658	2.25	0.63	28.00	1.51	67.11	0.70	31.11	1.50	66.67	13.27	589.78	1.69	75.11		
17660	2.29	0.74	32.31	1.84	80.35	0.68	29.69	1.77	77.29	13.17	575.11	2.10	91.70		

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B18 (PAGE 2): BRAIN WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP I				VEHICLE				0 (VEHICLE) MG/KG/DAY							
RAT NUMBER	BRAIN WEIGHT	KIDNEY		ADRENAL		ADRENAL		SPLEEN		THYMUS		HEART			
		RIGHT	LEFT	LEFT	RIGHT	RIGHT	WT.	% BRW	WT.	% BRW	WT.	% BRW	WT.	% BRW	WT.
17608	2.42	2.11	87.19	0.033	1.36	0.032	1.32	0.77	31.82	0.53	21.90	1.46	60.33		
17618	2.32	2.02	87.07	0.031	1.34	0.034	1.46	0.87	37.50	0.49	21.12	1.43	61.64		
17630	2.39	2.03	84.94	0.032	1.34	0.026	1.09	0.81	33.89	0.34	14.22	1.51	63.18		
17631	2.28	1.92	84.21	0.027	1.18	0.029	1.27	1.01	44.30	0.59	25.88	1.61	70.61		
17639	2.12	2.10	99.06	0.027	1.27	0.026	1.23	1.02	48.11	0.71	33.49	1.63	76.89		
17648	2.23	2.00	89.69	0.025	1.12	0.030	1.34	0.84	37.67	0.50	22.42	1.66	74.44		
17652	2.46	1.97	80.08	0.034	1.38	0.029	1.18	0.85	34.55	0.56	22.76	1.64	66.67		
17656	2.36	1.84	77.97	0.028	1.19	0.024	1.02	0.86	36.44	0.35	14.83	1.36	57.63		
17658	2.25	1.94	86.22	0.029	1.29	0.030	1.33	1.02	45.33	0.82	36.44	1.52	67.56		
17660	2.29	2.09	91.27	0.008a	0.35a	0.021	0.92	0.86	37.55	0.54	23.58	1.28	55.90		

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

a. Damaged during processing (weight affected); values excluded from group averages and statistical analyses.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B18 (PAGE 3): BRAIN WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP II				LOW DOSAGE				10 MG/KG/DAY					
RAT NUMBER	BRAIN WEIGHT	EPIDIDYMIS		TESTIS		EPIDIDYMIS		TESTIS		LIVER		KIDNEY	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
		ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW
17634	2.29	0.64	27.95	1.51	65.94	0.70	30.57	1.60	69.87	13.01	568.12	1.97	86.03
17635	2.31	0.83	35.93	1.69	73.16	0.87	37.66	1.80	77.92	14.06	608.66	2.10	90.91
17638	2.45	0.80	32.65	1.88	76.73	0.79	32.24	1.88	76.73	14.20	579.59	1.87	76.33
17642	2.21	0.72	32.58	1.70	76.92	0.76	34.39	1.72	77.83	12.00	542.99	1.82	82.35
17643	2.26	0.79	34.96	1.86	82.30	0.80	35.40	1.84	81.42	18.47	817.26	2.10	92.92
17645	2.40	0.90	37.50	1.91	79.58	0.86	35.83	1.91	79.58	16.04	668.33	2.14	89.17
17649	2.02	0.57	28.22	1.47	72.77	0.59	29.21	1.47	72.77	12.55	621.29	1.83	90.59
17651	2.20	0.69	31.36	1.58	71.82	0.68	30.91	1.68	76.36	11.98	544.54	1.72	78.18
17653	2.18	0.60	27.52	1.76	80.73	0.55	25.23	1.70	77.98	14.34	657.80	1.91	87.61
17655	2.15	0.69	32.09	1.70	79.07	0.75	34.88	1.69	78.60	12.82	596.28	2.19	101.86

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B18 (PAGE 4): BRAIN WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP II				LOW DOSAGE				10 MG/KG/DAY							
RAT NUMBER	BRAIN WEIGHT	KIDNEY		ADRENAL		ADRENAL		SPLEEN		THYMUS		HEART			
		RIGHT	LEFT	LEFT	RIGHT	RIGHT	WT.	% BRW	WT.	% BRW	WT.	% BRW	WT.	% BRW	WT.
17634	2.29	1.89	82.53	0.027	1.18	0.029	1.27	0.69	30.13	0.53	23.14	1.59	69.43		
17635	2.31	2.21	95.67	0.031	1.34	0.029	1.26	0.84	36.36	0.61	26.41	1.40	60.61		
17638	2.45	1.97	80.41	0.029	1.18	0.032	1.31	0.75	30.61	0.53	21.63	1.57	64.08		
17642	2.21	1.89	85.52	0.026	1.18	0.032	1.45	0.85	38.46	0.48	21.72	1.37	61.99		
17643	2.26	2.26	100.00	0.028	1.24	0.034	1.50	0.94	41.59	0.53	23.45	1.82	80.53		
17645	2.40	2.14	89.17	0.026	1.08	0.029	1.21	0.99	41.25	0.37	15.42	1.72	71.67		
17649	2.02	1.81	89.60	0.037	1.83	0.041	2.03	0.58	28.71	0.24	11.88	1.28	63.37		
17651	2.20	1.78	80.91	0.038	1.73	0.040	1.82	0.70	31.82	0.24	10.91	1.56	70.91		
17653	2.18	1.90	87.16	0.022	1.01	0.027	1.24	0.74	33.94	0.36	16.51	1.18	54.13		
17655	2.15	2.37	110.23	0.031	1.44	0.024	1.12	0.83	38.60	0.45	20.93	1.45	67.44		

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B18 (PAGE 5): BRAIN WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP III				MIDDLE DOSAGE				50 MG/KG/DAY					
RAT NUMBER	BRAIN WEIGHT	EPIDIDYMIS		TESTIS		EPIDIDYMIS		TESTIS		LIVER		KIDNEY	
		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
		ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.
		WT.	% BRW	WT.	% BRW	WT.	% BRW	WT.	% BRW	WT.	% BRW	WT.	% BRW
17620	2.48	0.70	28.22	1.63	65.72	0.65	26.21	1.67	67.34	16.22	654.03	2.30	92.74
17623	2.46	0.70	28.46	1.64	66.67	0.71	28.86	1.64	66.67	13.91	565.45	2.00	81.30
17627	2.39	0.67	28.03	1.61	67.36	0.71	29.71	1.68	70.29	12.79	535.15	1.82	76.15
17628	2.24	0.80	35.71	1.86	83.04	0.80	35.71	1.77	79.02	12.94	577.68	2.30	102.68
17633	2.38	0.74	31.09	1.94	81.51	0.74	31.09	1.92	80.67	16.89	709.66	2.36	99.16
17640	2.21	0.69	31.22	1.76	79.64	0.72	32.58	1.82	82.35	12.58	569.23	2.26	102.26
17646	2.29	0.64	27.95	1.66	72.49	0.64	27.95	1.64	71.62	13.15	574.24	2.08	90.83
17650	2.42	0.73	30.16	1.58	65.29	0.75	30.99	1.59	65.70	15.87	655.78	1.93	79.75
17657	2.34	0.57	24.36	1.49	63.68	0.62	26.50	1.54	65.81	13.85	591.88	2.00	85.47
17659	2.34	0.81	34.62	1.98	84.62	0.80	34.19	1.88	80.34	14.18	605.98	2.19	93.59

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B18 (PAGE 6): BRAIN WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP III		MIDDLE DOSAGE						50 MG/KG/DAY					
RAT NUMBER	BRAIN WEIGHT	KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT		SPLEEN		THYMUS		HEART	
		ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW
17620	2.48	2.37	95.56	0.027	1.09	0.026	1.05	0.83	33.47	0.24	9.68	1.62	65.32
17623	2.46	2.09	84.96	0.029	1.18	0.031	1.26	0.68	27.64	0.62	25.20	1.46	59.35
17627	2.39	1.92	80.33	0.035	1.46	0.033	1.38	0.77	32.22	0.49	20.50	1.08	45.19
17628	2.24	2.29	102.23	0.032	1.43	0.030	1.34	1.05	46.87	0.23	10.27	1.43	63.84
17633	2.38	2.37	99.58	0.033	1.39	0.031	1.30	1.02	42.86	0.55	23.11	1.54	64.70
17640	2.21	2.29	103.62	0.030	1.36	0.028	1.27	0.70	31.67	0.31	14.03	1.37	61.99
17646	2.29	2.00	87.34	0.014	0.61	0.028	1.22	0.83	36.24	0.62	27.07	1.52	66.38
17650	2.42	1.92	79.34	0.031	1.28	0.033	1.36	0.85	35.12	0.40	16.53	1.40	57.85
17657	2.34	2.09	89.32	0.027	1.15	0.026	1.11	0.81	34.62	0.45	19.23	1.57	67.09
17659	2.34	2.23	95.30	0.030	1.28	0.028	1.20	0.95	40.60	0.38	16.24	1.58	67.52

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ABS. WT. = ORGAN WEIGHT.

REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B18 (PAGE 7): BRAIN WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP IV				HIGH DOSAGE				250 MG/KG/DAY							
RAT NUMBER	BRAIN WEIGHT	EPIDIDYMIS		TESTIS		EPIDIDYMIS		TESTIS		LIVER		KIDNEY			
		LEFT	ABS. WT.	REL. % BRW	LEFT	ABS. WT.	REL. % BRW	RIGHT	ABS. WT.	REL. % BRW	RIGHT	ABS. WT.	REL. % BRW	LEFT	ABS. WT.
17621	2.52	0.70	27.78	1.80	71.43	0.67	26.59	1.81	71.82	16.80	666.67	2.09	82.94		
17622	2.47	0.66	26.72	1.66	67.21	0.76	30.77	1.72	69.64	18.75	759.11	2.17	87.85		
17625	2.20	0.69	31.36	1.53	69.54	0.64	29.09	1.48	67.27	18.98	862.73	2.15	97.73		
17629	2.44	0.73	29.92	1.66	68.03	0.67	27.46	1.70	69.67	18.26	748.36	1.94	79.51		
17636	2.01	0.67	33.33	1.96	97.51	0.72	35.82	1.96	97.51	21.64	1076.62	2.21	109.95		
17637	2.23	0.64	28.70	1.63	73.09	0.65	29.15	1.65	73.99	19.80	887.89	2.11	94.62		
17641	2.33	0.73	31.33	1.56	66.95	0.73	31.33	1.54	66.09	18.99	815.02	2.39	102.58		
17644	2.27	0.70	30.84	1.67	73.57	0.71	31.28	1.64	72.25	17.54	772.69	2.34	103.08		
17647	2.19	0.74	33.79	1.93	88.13	0.72	32.88	1.85	84.47	18.47	843.38	2.08	94.98		
17654	2.50	0.62	24.80	1.60	64.00	0.57	22.80	1.65	66.00	16.03	641.20	2.13	85.20		

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ABS. WT. = ORGAN WEIGHT.

REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B18 (PAGE 8): BRAIN WEIGHTS, ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP IV				HIGH DOSAGE				250 MG/KG/DAY					
RAT NUMBER	BRAIN WEIGHT	KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT		SPLEEN		THYMUS		HEART	
		ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW
17621	2.52	2.29	90.87	0.030	1.19	0.029	1.15	0.75	29.76	0.51	20.24	1.35	53.57
17622	2.47	2.05	83.00	0.031	1.26	0.028	1.13	0.70	28.34	0.43	17.41	1.41	57.08
17625	2.20	2.12	96.36	0.020	0.91	0.018	0.82	1.05	47.73	0.60	27.27	1.88	85.45
17629	2.44	2.02	82.79	0.023	0.94	0.027	1.11	0.80	32.79	0.36	14.75	1.29	52.87
17636	2.01	2.29	113.93	0.045	2.24	0.027	1.34	0.89	44.28	0.20	9.95	1.37	68.16
17637	2.23	2.19	98.21	0.032	1.43	0.029	1.30	0.84	37.67	0.37	16.59	1.37	61.43
17641	2.33	2.34	100.43	0.034	1.46	0.034	1.46	0.70	30.04	0.40	17.17	1.39	59.66
17644	2.27	2.35	103.52	0.022	0.97	0.028	1.23	0.82	36.12	0.25	11.01	1.38	60.79
17647	2.19	2.09	95.43	0.028	1.28	0.028	1.28	0.84	38.36	0.40	18.26	1.57	71.69
17654	2.50	2.07	82.80	0.031	1.24	0.027	1.08	0.87	34.80	0.49	19.60	1.53	61.20

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

ABS. WT. = ORGAN WEIGHT.

REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 1): BODY WEIGHTS - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

RAT #	DOSAGE GROUP I							VEHICLE							0 (VEHICLE) MG/KG/DAY			
	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15a	16	
17601		333.	331.	340.	348.	367.	365.	375.	383.	380.	388.	384.	396.	398.	401.	409.	403.	
17602		362.	371.	380.	389.	400.	401.	410.	419.	425.	431.	436.	441.	449.	458.	463.	458.	
17603		342.	350.	357.	364.	369.	373.	379.	383.	391.	395.	398.	406.	408.	413.	417.	412.	
17604		349.	353.	363.	368.	377.	376.	386.	389.	399.	396.	402.	403.	412.	414.	418.	413.	
17607		330.	333.	341.	348.	354.	358.	360.	364.	365.	369.	372.	377.	379.	382.	385.	382.	
17608		353.	364.	367.	379.	379.	388.	393.	396.	402.	404.	410.	412.	421.	423.	428.	433.	
17618		343.	347.	351.	361.	366.	374.	376.	383.	379.	384.	390.	396.	394.	394.	398.	404.	
17630		347.	352.	357.	366.	374.	381.	384.	387.	395.	402.	408.	412.	416.	424.	421.	418.	
17631		332.	337.	346.	355.	360.	364.	370.	376.	374.	380.	372.	389.	393.	394.	394.	398.	
17639		350.	356.	358.	364.	371.	380.	385.	395.	397.	404.	407.	414.	421.	425.	425.	427.	
17648		333.	340.	350.	354.	359.	363.	374.	372.	370.	381.	384.	389.	390.	390.	395.	391.	
17652		349.	362.	370.	380.	386.	391.	399.	410.	415.	425.	430.	438.	445.	450.	456.	454.	
17656		342.	348.	352.	359.	364.	371.	373.	380.	379.	380.	388.	386.	391.	393.	398.	392.	
17658		345.	356.	360.	363.	368.	372.	374.	381.	378.	384.	384.	387.	391.	392.	393.	390.	
17660		331.	338.	344.	343.	350.	353.	355.	354.	362.	360.	363.	367.	368.	374.	374.	375.	

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 2): BODY WEIGHTS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

RAT #	DOSAGE GROUP I					VEHICLE					0 (VEHICLE) MG/KG/DAY						
	DAY	17	18	19	20	21	22	23	24	25	26	27	28	29a	30	31	32
17601		414.	416.	421.	416.	418.	427.	428.	433.	434.	444.	438.	444.	455.	453.	466.	460.
17602		464.	468.	476.	479.	479.	484.	490.	493.	496.	504.	514.	514.	522.	516.	532.	533.
17603		424.	428.	432.	434.	439.	444.	448.	447.	453.	458.	459.	468.	471.	473.	465.	470.
17604		418.	417.	421.	423.	420.	427.	433.	436.	430.	435.	438.	438.	449.	450.	447.	457.
17607		388.	395.	398.	402.	401.	405.	407.	410.	408.	415.	417.	418.	427.	425.	424.	429.
17608		436.	438.	442.	445.	444.	448.	454.	452.	456.	458.	463.	467.	474.	474.	477.	480.
17618		408.	405.	413.	414.	413.	420.	416.	424.	428.	430.	428.	436.	439.	434.	439.	440.
17630		423.	429.	434.	436.	439.	441.	446.	446.	451.	454.	456.	459.	459.	464.	468.	469.
17631		401.	406.	413.	418.	423.	428.	426.	433.	436.	440.	437.	449.	454.	454.	457.	467.
17639		431.	432.	438.	440.	446.	446.	452.	452.	462.	463.	465.	475.	481.	482.	489.	490.
17648		397.	391.	396.	397.	404.	410.	405.	412.	412.	416.	413.	422.	426.	426.	432.	438.
17652		459.	464.	475.	473.	479.	485.	487.	497.	497.	506.	509.	511.	524.	526.	531.	540.
17656		394.	400.	401.	406.	409.	412.	411.	416.	418.	423.	427.	429.	435.	438.	440.	444.
17658		400.	400.	402.	408.	414.	413.	418.	429.	425.	434.	440.	444.	448.	448.	449.	451.
17660		379.	379.	382.	379.	382.	388.	393.	394.	392.	399.	399.	402.	410.	404.	409.	414.

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. First value recorded after cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 3): BODY WEIGHTS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

RAT #	DOSAGE GROUP I					0 (VEHICLE) MG/KG/DAY	
	DAY	33	34	35	36	37	
17601		458.	467.	465.	473.	439.	
17602		533.	541.	545.	544.	512.	
17603		473.	471.	471.	476.	446.	
17604		450.	459.	462.	461.	433.	
17607		433.	438.	439.	436.	418.	
17608		484.	490.	495.	493.	469.	
17618		443.	443.	446.	446.	422.	
17630		475.	475.	476.	474.	448.	
17631		458.	466.	467.	469.	439.	
17639		495.	496.	503.	504.	483.	
17648		436.	436.	437.	440.	415.	
17652		537.	540.	547.	550.	520.	
17656		446.	451.	454.	457.	428.	
17658		449.	457.	462.	463.	433.	
17660		417.	420.	426.	427.	401.	

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 4): BODY WEIGHTS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

RAT #	DOSAGE GROUP II						LOW DOSAGE						10 MG/KG/DAY					
	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15a	16	
17615		328.	332.	334.	342.	339.	350.	348.	354.	363.	362.	367.	368.	381.	383.	389.	391.	
17616		354.	361.	365.	374.	380.	385.	390.	396.	403.	403.	409.	410.	413.	416.	420.	419.	
17624		336.	339.	343.	352.	358.	360.	370.	374.	375.	381.	378.	382.	385.	388.	394.	387.	
17626		344.	350.	360.	370.	376.	382.	391.	390.	390.	394.	403.	404.	407.	409.	415.	414.	
17632		334.	341.	348.	356.	364.	373.	381.	387.	391.	399.	401.	414.	416.	422.	428.	422.	
17634		357.	362.	366.	371.	378.	380.	386.	390.	392.	398.	399.	402.	407.	410.	416.	406.	
17635		337.	341.	350.	353.	360.	368.	374.	373.	373.	385.	381.	387.	392.	396.	404.	397.	
17638		347.	350.	358.	368.	373.	376.	385.	390.	393.	398.	400.	405.	405.	406.	417.	409.	
17642		328.	331.	336.	342.	339.	351.	352.	360.	364.	363.	370.	375.	376.	380.	386.	386.	
17643		350.	358.	362.	374.	385.	392.	399.	402.	410.	419.	422.	435.	436.	432.	449.	446.	
17645		336.	339.	342.	352.	362.	366.	372.	376.	384.	382.	384.	388.	400.	392.	401.	391.	
17649		340.	348.	353.	360.	364.	369.	372.	378.	383.	393.	396.	398.	401.	408.	411.	406.	
17651		336.	341.	344.	348.	367.	370.	376.	375.	370.	381.	381.	388.	392.	394.	395.	397.	
17653		353.	356.	363.	368.	374.	378.	385.	390.	393.	404.	404.	408.	413.	420.	420.	415.	
17655		349.	348.	355.	361.	370.	365.	377.	379.	380.	388.	390.	393.	395.	396.	402.	386.	

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 5): BODY WEIGHTS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

RAT #	DOSAGE GROUP II					LOW DOSAGE					10 MG/KG/DAY						
	DAY	17	18	19	20	21	22	23	24	25	26	27	28	29a	30	31	32
17615		393.	399.	399.	406.	411.	414.	408.	414.	415.	417.	423.	424.	430.	425.	435.	438.
17616		427.	422.	424.	424.	428.	427.	428.	432.	436.	436.	445.	443.	447.	447.	450.	454.
17624		396.	405.	403.	409.	413.	412.	419.	420.	423.	423.	426.	432.	432.	431.	430.	441.
17626		414.	415.	424.	429.	434.	438.	446.	445.	443.	451.	456.	462.	463.	471.	469.	473.
17632		435.	425.	434.	434.	436.	443.	444.	451.	450.	457.	461.	464.	471.	473.	470.	484.
17634		415.	415.	420.	425.	421.	430.	429.	438.	440.	445.	440.	443.	454.	449.	456.	460.
17635		401.	404.	408.	411.	416.	419.	419.	429.	428.	436.	438.	447.	451.	445.	456.	453.
17638		407.	416.	409.	423.	427.	429.	429.	432.	436.	442.	447.	446.	455.	457.	467.	473.
17642		388.	393.	399.	403.	408.	410.	410.	416.	417.	420.	424.	423.	427.	424.	423.	425.
17643		456.	451.	455.	459.	466.	472.	476.	486.	484.	489.	496.	502.	506.	511.	512.	516.
17645		401.	402.	410.	415.	416.	419.	417.	426.	424.	431.	440.	441.	453.	452.	450.	458.
17649		407.	410.	414.	410.	416.	424.	425.	430.	430.	433.	439.	441.	452.	446.	451.	455.
17651		406.	410.	409.	412.	413.	417.	417.	425.	430.	434.	441.	440.	447.	450.	455.	456.
17653		426.	425.	427.	432.	431.	430.	437.	442.	443.	447.	452.	455.	455.	460.	461.	465.
17655		397.	386.	398.	400.	400.	403.	409.	413.	416.	408.	418.	415.	419.	423.	422.	426.

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. First value recorded after cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 6): BODY WEIGHTS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

RAT #	DOSAGE GROUP II					LOW DOSAGE	10 MG/KG/DAY
	DAY	33	34	35	36	37	
17615		440.	444.	448.	452.	424.	
17616		458.	460.	461.	461.	437.	
17624		440.	436.	444.	443.	417.	
17626		473.	467.	478.	476.	456.	
17632		484.	484.	486.	488.	457.	
17634		455.	453.	460.	460.	433.	
17635		457.	456.	459.	466.	440.	
17638		470.	475.	479.	482.	452.	
17642		423.	431.	438.	440.	413.	
17643		513.	522.	521.	529.	494.	
17645		454.	463.	465.	464.	440.	
17649		452.	455.	463.	464.	440.	
17651		453.	461.	459.	464.	434.	
17653		464.	464.	466.	468.	442.	
17655		420.	430.	431.	438.	406.	

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 7): BODY WEIGHTS - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

RAT #	Dosage Group III						Middle Dosage										50 MG/KG/DAY			
	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15a	16			
17605		325.	324.	330.	334.	339.	342.	346.	353.	356.	353.	352.	360.	359.	365.	367.	364.			
17610		363.	373.	381.	385.	388.	394.	401.	406.	416.	419.	416.	423.	425.	432.	438.	431.			
17611		339.	346.	354.	363.	367.	375.	377.	386.	386.	390.	394.	398.	398.	401.	405.	396.			
17613		346.	350.	353.	366.	374.	377.	385.	396.	392.	396.	396.	406.	407.	412.	415.	412.			
17619		330.	334.	336.	343.	348.	350.	355.	357.	360.	362.	367.	368.	373.	378.	380.	374.			
17620		358.	364.	373.	379.	386.	395.	404.	412.	416.	417.	424.	429.	430.	436.	435.	441.			
17623		342.	346.	356.	356.	368.	372.	373.	380.	381.	388.	389.	393.	397.	402.	409.	407.			
17627		340.	337.	342.	345.	347.	352.	358.	363.	363.	370.	373.	375.	386.	388.	391.	396.			
17628		328.	332.	341.	345.	342.	350.	353.	356.	352.	359.	362.	366.	365.	371.	369.	371.			
17633		356.	366.	374.	382.	393.	402.	408.	404.	400.	415.	418.	422.	425.	427.	435.	435.			
17640		338.	344.	345.	352.	358.	361.	367.	371.	371.	375.	376.	382.	380.	384.	388.	388.			
17646		349.	354.	363.	368.	373.	379.	381.	384.	386.	376.	386.	387.	395.	395.	402.	387.			
17650		370.	369.	376.	386.	389.	389.	398.	401.	408.	414.	418.	422.	425.	431.	437.	431.			
17657		337.	338.	349.	359.	362.	367.	368.	365.	373.	374.	382.	389.	378.	380.	388.	386.			
17659		336.	344.	346.	349.	359.	359.	362.	366.	370.	373.	376.	383.	384.	389.	392.	391.			

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 8): BODY WEIGHTS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

RAT #	MIDDLE DOSAGE												50 MG/KG/DAY				
	DAY	17	18	19	20	21	22	23	24	25	26	27	28	29a	30	31	32
17605		367.	376.	381.	381.	385.	389.	390.	394.	391.	399.	403.	406.	407.	406.	408.	415.
17610		435.	439.	444.	448.	450.	457.	462.	465.	464.	465.	471.	473.	484.	482.	490.	489.
17611		403.	400.	411.	408.	407.	408.	410.	415.	415.	415.	420.	424.	433.	429.	432.	434.
17613		417.	418.	420.	419.	419.	417.	421.	422.	419.	418.	422.	422.	432.	433.	426.	435.
17619		384.	388.	389.	390.	394.	398.	401.	399.	404.	411.	416.	413.	425.	420.	420.	430.
17620		443.	446.	452.	455.	451.	457.	464.	466.	471.	473.	481.	481.	485.	487.	489.	491.
17623		411.	411.	413.	413.	415.	414.	414.	422.	423.	421.	426.	430.	432.	438.	440.	444.
17627		402.	400.	409.	406.	406.	408.	402.	415.	413.	418.	418.	421.	421.	424.	424.	430.
17628		378.	374.	379.	384.	385.	386.	389.	392.	391.	393.	390.	397.	388.	399.	401.	403.
17633		445.	443.	442.	450.	456.	460.	462.	468.	467.	472.	478.	484.	488.	489.	492.	502.
17640		387.	388.	391.	391.	395.	395.	399.	402.	402.	405.	407.	408.	416.	412.	416.	420.
17646		399.	400.	402.	408.	410.	414.	407.	417.	422.	420.	430.	432.	437.	437.	437.	444.
17650		448.	452.	459.	460.	459.	462.	464.	472.	469.	478.	480.	480.	491.	496.	496.	504.
17657		391.	393.	396.	403.	400.	402.	405.	410.	412.	418.	419.	422.	433.	431.	435.	439.
17659		397.	402.	399.	405.	406.	412.	412.	416.	422.	424.	422.	423.	432.	431.	436.	442.

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. First value recorded after cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 9): BODY WEIGHTS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

RAT #	DOSAGE GROUP III					MIDDLE DOSAGE	50 MG/KG/DAY
	DAY	33	34	35	36	37	
17605		412.	414.	421.	423.	392.	
17610		484.	487.	490.	488.	467.	
17611		437.	441.	439.	445.	422.	
17613		431.	427.	434.	433.	411.	
17619		428.	434.	433.	435.	410.	
17620		496.	503.	505.	498.	475.	
17623		444.	446.	447.	454.	426.	
17627		429.	430.	434.	438.	415.	
17628		400.	404.	409.	413.	389.	
17633		499.	505.	509.	510.	484.	
17640		417.	420.	420.	426.	398.	
17646		446.	452.	454.	454.	423.	
17650		498.	504.	509.	515.	482.	
17657		440.	446.	452.	457.	417.	
17659		437.	443.	443.	449.	418.	

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 10): BODY WEIGHTS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

RAT #	DOSAGE GROUP IV				HIGH DOSAGE								250 MG/KG/DAY				
	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15a	16
17606		321.	328.	321.	332.	338.	343.	348.	351.	355.	358.	365.	365.	366.	369.	373.	370.
17609		358.	358.	360.	373.	375.	382.	383.	388.	392.	394.	397.	400.	398.	392.	400.	409.
17612		340.	340.	345.	349.	354.	356.	357.	365.	369.	369.	374.	374.	374.	378.	379.	384.
17614		348.	343.	338.	355.	360.	371.	376.	382.	389.	396.	394.	398.	404.	408.	413.	403.
17617		330.	329.	332.	340.	344.	354.	352.	354.	358.	359.	362.	366.	365.	367.	370.	363.
17621		347.	349.	351.	361.	370.	373.	380.	387.	386.	392.	392.	395.	398.	401.	403.	394.
17622		336.	336.	327.	349.	353.	364.	367.	370.	380.	379.	385.	389.	389.	392.	394.	380.
17625		338.	342.	338.	350.	357.	366.	369.	376.	389.	388.	390.	392.	398.	405.	408.	393.
17629		332.	336.	341.	348.	349.	361.	361.	368.	372.	380.	379.	380.	387.	390.	396.	388.
17636		350.	350.	350.	357.	366.	368.	377.	380.	386.	396.	402.	401.	407.	411.	414.	403.
17637		342.	346.	352.	358.	362.	367.	370.	377.	374.	382.	382.	387.	389.	393.	402.	390.
17641		342.	340.	344.	350.	354.	362.	365.	369.	368.	373.	378.	381.	383.	392.	396.	392.
17644		328.	320.	316.	328.	331.	341.	346.	355.	353.	360.	363.	367.	368.	373.	380.	376.
17647		343.	349.	345.	354.	360.	362.	361.	366.	363.	370.	371.	375.	378.	377.	384.	381.
17654		338.	345.	341.	352.	360.	364.	370.	371.	381.	374.	379.	379.	382.	385.	390.	388.

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 11): BODY WEIGHTS - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

RAT #	DOSAGE GROUP IV				HIGH DOSAGE				250 MG/KG/DAY								
	DAY	17	18	19	20	21	22	23	24	25	26	27	28	29a	30	31	32
17606		379.	384.	385.	391.	388.	394.	396.	395.	399.	398.	404.	403.	405.	402.	410.	408.
17609		395.	407.	401.	416.	414.	416.	417.	421.	427.	424.	422.	432.	427.	426.	432.	433.
17612		385.	384.	389.	390.	390.	393.	398.	399.	401.	401.	406.	406.	408.	406.	411.	410.
17614		415.	418.	418.	420.	426.	425.	430.	432.	436.	434.	432.	431.	442.	437.	430.	449.
17617		363.	363.	368.	371.	380.	379.	384.	381.	389.	392.	400.	404.	409.	412.	412.	411.
17621		401.	402.	403.	408.	411.	407.	416.	417.	413.	423.	424.	421.	428.	432.	432.	437.
17622		389.	393.	399.	410.	410.	411.	405.	412.	411.	418.	418.	421.	424.	423.	424.	423.
17625		407.	411.	413.	418.	422.	424.	426.	430.	430.	438.	447.	453.	450.	442.	445.	456.
17629		402.	405.	406.	416.	412.	412.	421.	423.	426.	425.	426.	432.	430.	436.	436.	436.
17636		412.	408.	417.	422.	425.	429.	429.	432.	437.	439.	442.	445.	443.	446.	463.	466.
17637		409.	400.	403.	406.	413.	416.	415.	424.	430.	428.	437.	435.	442.	446.	447.	449.
17641		396.	395.	402.	401.	404.	409.	412.	423.	412.	420.	426.	430.	442.	435.	438.	442.
17644		376.	386.	385.	389.	390.	399.	396.	406.	400.	405.	407.	418.	421.	420.	427.	428.
17647		384.	390.	394.	392.	396.	403.	398.	404.	408.	408.	412.	419.	425.	422.	420.	430.
17654		391.	392.	398.	404.	414.	409.	407.	415.	418.	419.	426.	431.	436.	433.	438.	439.

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. First value recorded after cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B19 (PAGE 12): BODY WEIGHTS - INDIVIDUAL DATA - F0 GENERATION MALE RATS

RAT #	DOSAGE GROUP IV					HIGH DOSAGE	250 MG/KG/DAY
	DAY	33	34	35	36	37	
17606		413.	415.	416.	421.	390.	
17609		430.	433.	438.	438.	407.	
17612		412.	414.	413.	418.	388.	
17614		447.	452.	449.	453.	428.	
17617		412.	416.	422.	427.	394.	
17621		437.	436.	442.	449.	417.	
17622		428.	436.	433.	438.	407.	
17625		447.	462.	466.	469.	431.	
17629		437.	440.	440.	444.	414.	
17636		460.	460.	470.	462.	445.	
17637		452.	452.	459.	458.	427.	
17641		439.	445.	449.	453.	416.	
17644		422.	430.	431.	436.	407.	
17647		425.	428.	436.	434.	400.	
17654		446.	445.	455.	452.	413.	

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B20 (PAGE 1): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

RAT #	DOSAGE GROUP I			VEHICLE	O (VEHICLE) MG/KG/DAY
DAY	1-	8	8- 15a	29b-36	
17601		192.	189.	194.	
17602		220.	219.	230.	
17603		201.	200.	196.	
17604		195.	193.	202.	
17607		181.	167.	170.	
17608		196.	190.	205.	
17618		183.	176.	175.	
17630		206.	201.	190.	
17631		189.	177.	207.	
17639		194.	184.	220.	
17648		184.	164.	186.	
17652		216.	218.	240.	
17656		177.	159.	180.	
17658		178.	156.	180.	
17660		169.	172.	194.	

DAY = DAYS OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

- a. Last value recorded before cohabitation.
- b. First value recorded after cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B20 (PAGE 2): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

RAT #	DOSAGE GROUP II			LOW DOSAGE	10 MG/KG/DAY
	DAY	1- 8	8- 15a	29b-36	
17615		158.	183.	189.	
17616		190.	184.	186.	
17624		177.	165.	178.	
17626		189.	176.	188.	
17632		200.	208.	209.	
17634		186.	180.	196.	
17635		191.	184.	196.	
17638		181.	169.	201.	
17642		171.	c	168.	
17643		202.	196.	220.	
17645		181.	172.	190.	
17649		173.	179.	191.	
17651		181.	172.	169.	
17653		188.	183.	188.	
17655		186.	180.	192.	

DAYS = DAYS OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

- a. Last value recorded before cohabitation.
- b. First value recorded after cohabitation.
- c. Spilled feed precluded the calculation of this value.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B20 (PAGE 3): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F0 GENERATION MALE RATS

RAT #	DOSAGE GROUP III			MIDDLE DOSAGE	50 MG/KG/DAY
	DAYS	1- 8	8- 15a	29b-36	
17605		184.	169.	187.	
17610		195.	207.	199.	
17611		184.	170.	169.	
17613		198.	183.	169.	
17619		154.	157.	166.	
17620		214.	215.	229.	
17623		184.	168.	179.	
17627		164.	177.	165.	
17628		165.	181.	197.	
17633		207.	200.	216.	
17640		175.	162.	171.	
17646		186.	155.	187.	
17650		173.	196.	210.	
17657		170.	171.	191.	
17659		167.	171.	182.	

DAY = DAYS OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

- a. Last value recorded before cohabitation.
- b. First value recorded after cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B20 (PAGE 4): FEED CONSUMPTION VALUES - INDIVIDUAL DATA - F0 GENERATION MALE RATS

RAT #	DOSAGE GROUP IV			HIGH DOSAGE	200 MG/KG/DAY
		1- 8	8- 15a	29b-36	
17606		163.	165.	157.	
17609		179.	171.	177.	
17612		163.	157.	164.	
17614		186.	209.	190.	
17617		165.	162.	178.	
17621		195.	179.	188.	
17622		168.	185.	179.	
17625		178.	187.	192.	
17629		180.	167.	176.	
17636		164.	190.	189.	
17637		178.	167.	185.	
17641		178.	170.	186.	
17644		164.	165.	180.	
17647		169.	176.	197.	
17654		166.	169.	194.	

DAY = DAYS OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

- a. Last value recorded before cohabitation.
- b. First value recorded after cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B21 (PAGE 1): MATING AND FERTILITY - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP I		VEHICLE	0 (VEHICLE) MG/KG/DAY	
RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
17601	3	M	C	P(17662)
17602	4	M	C	P(17672)
17603	1	M	C	P(17673)
17604	1	M	C	P(17674)
17607	3	M	C	P(17680)
17608	3	M	C	P(17681)
17618	3	M	C	P(17690)
17630	1	M	C	P(17694)
17631	2	M	C	P(17695)
17639	3	M	C	P(17703)
17648	3	M	C	P(17713)
17652a	4	M	C	P(17715)
17652b	2	M	C	P(17719)
17656	4	M	C	P(17716)
17658	1	M	C	P(17717)
17660	7	DID NOT MATE	-	-(17719)

M = MATED () = FEMALE RAT NUMBER

C = CONFIRMED

P = PREGNANT NP = NOT PREGNANT

a. Result of first cohabitation period.

b. Male rat mated early in the first cohabitation period and was cohabited with a second female rat.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B21 (PAGE 2): MATING AND FERTILITY - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

RAT #	DAYS IN COHABITATION	LOW DOSAGE		FEMALE PREGNANCY STATUS	10 MG/KG/DAY
		MATING STATUS	MATING DATE		
17615	3	M	C	NP(17663)	
17616	3	M	C	P(17665)	
17624	1	M	C	P(17666)	
17626	3	M	C	P(17668)	
17632	3	M	C	P(17671)	
17634	2	M	C	P(17675)	
17635	3	M	C	P(17679)	
17638	4	M	C	P(17684)	
17642	3	M	C	P(17688)	
17643	3	M	C	P(17698)	
17645	1	M	C	P(17702)	
17649	2	M	C	P(17704)	
17651	4	M	C	P(17707)	
17653	1	M	C	P(17708)	
17655	4	M	C	P(17710)	

M = MATED () = FEMALE RAT NUMBER

C = CONFIRMED

P = PREGNANT NP = NOT PREGNANT

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B21 (PAGE 3): MATING AND FERTILITY - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP III		MIDDLE DOSAGE		50 MG/KG/DAY
RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
17605	2	M	C	P(17661)
17610	2	M	C	P(17667)
17611	3	M	C	P(17669)
17613	4	M	C	P(17670)
17619	2	M	C	P(17676)
17620	4	M	C	P(17687)
17623	1	M	C	P(17693)
17627	3	M	C	P(17697)
17628a	3	M	C	P(17700)
17628b	6	M	C	P(17709)
17633	3	M	C	P(17701)
17640	3	M	C	P(17705)
17646	4	M	C	P(17706)
17650	7	DID NOT MATE	-	- (17709)
17657	7	DID NOT MATE	-	- (17718)
17659a	4	M	C	P(17720)
17659b	6	M	C	P(17718)

M = MATED () = FEMALE RAT NUMBER

C = CONFIRMED

P = PREGNANT NP = NOT PREGNANT

a. Result of first cohabitation period.

b. Male rat mated early in the first cohabitation period and was cohabited with a second female rat.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B21 (PAGE 4): MATING AND FERTILITY - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP IV		HIGH DOSAGE		250 MG/KG/DAY
RAT #	DAYS IN COHABITATION	MATING STATUS	MATING DATE	FEMALE PREGNANCY STATUS
17606	7	DID NOT MATE	-	-(17664)
17609a	4	M	C	P(17677)
17609b	6	M	C	P(17682)
17612	4	M	C	P(17678)
17614	7	DID NOT MATE	-	-(17682)
17617	3	M	C	P(17683)
17621	1	M	C	P(17685)
17622	1	M	C	NP(17686)
17625	1	M	C	P(17689)
17629	4	M	C	P(17691)
17636	1	M	C	P(17692)
17637	1	M	C	P(17696)
17641a	3	M	C	P(17699)
17641b	7	DID NOT MATE	-	-(17664)
17644	1	M	C	P(17711)
17647	1	M	C	P(17712)
17654	3	M	C	P(17714)

M = MATED () = FEMALE RAT NUMBER

C = CONFIRMED

P = PREGNANT NP = NOT PREGNANT

a. Result of first cohabitation period.

b. Male rat mated early in the first cohabitation period and was cohabited with a second female rat.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B22 (PAGE 1): FUNCTIONAL OBSERVATIONAL BATTERY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP I	0 (VEHICLE) MG/KG/DAY				
RAT #	17601	17602	17603	17604	17607
HOME CAGE BEHAVIOR	2	2	2	2	2
ALTERATIONS (HOME CAGE)	1	1	1	1	1
REACTION TO REMOVAL	1	1	1	1	1
REACTION TO HANDLING	1	1	1	1	1
REARS IN OPEN FIELD	8	9	9	2	8
DEFECATION IN OPEN FIELD	1	2	3	2	1
URINATION IN OPEN FIELD	2	2	2	1	2
LEVEL OF AROUSAL	3	3	3	3	3
ALTERATIONS (OPEN FIELD)	1	1	1	1	1
GAIT PATTERN	1	1	1	1	1
GAIT ABNORMALITY, SEVERITY	1	1	1	1	1
PALPEBRAL CLOSURE	1	1	1	1	1
PROMINENCE OF THE EYE	1	1	1	1	1
LACRIMATION	1	1	1	1	1
SALIVATION	1	1	1	1	1
PILOERCTION	0	0	0	0	0
ABNORMAL RESPIRATION	0	0	0	0	0
APPEARANCE	1	1	1	1	1
VISUAL REACTION	2	2	2	2	2
TACTILE REACTION	2	2	2	2	2
AUDITORY REACTION	3	3	3	3	3
TAIL-PINCH REACTION	2	2	2	2	2
VISUAL PLACING RESPONSE	1	1	1	1	1
AIR RIGHTING RESPONSE	1	1	1	1	1
PUPIL RESPONSE TO LIGHT	1	1	1	1	1
FORELIMB GRIP TEST #1	345	510	190	355	370
FORELIMB GRIP TEST #2	450	405	125	350	275
HINDLIMB GRIP TEST #1	445	375	310	200	360
HINDLIMB GRIP TEST #2	555	375	430	215	285
LANDING FOOT SPLAY #1	8.7	7.5	9.5	7.7	7.5a
LANDING FOOT SPLAY #2	8.9	7.6	12.6	9.6	6.9
BODY WEIGHT (G)	455	525	469	449	425

VALUES ARE THE QUANTITY, CATEGORY NUMBER, QUANTAL RESPONSE OR SCORE RECORDED FOR EACH ITEM IN THE BATTERY.

a. Soft or liquid feces were observed during landing foot splay testing.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B22 (PAGE 2): FUNCTIONAL OBSERVATIONAL BATTERY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP II	10 MG/KG/DAY				
RAT #	17615	17616	17624	17626	17632
HOME CAGE BEHAVIOR	2	2	2	2	2
ALTERATIONS (HOME CAGE)	1	1	1	1	1
REACTION TO REMOVAL	1	1	1	1	1
REACTION TO HANDLING	1	1	1	1	1
REARS IN OPEN FIELD	8	7	9	10	2
DEFECATION IN OPEN FIELD	2	2	2	2	1
URINATION IN OPEN FIELD	2	2	2	2	2
LEVEL OF AROUSAL	3	3	3	3	3
ALTERATIONS (OPEN FIELD)	1	1	1	1	1
GAIT PATTERN	1	1	1	1	1
GAIT ABNORMALITY, SEVERITY	1	1	1	1	1
PALPEBRAL CLOSURE	1	1	1	1	1
PROMINENCE OF THE EYE	1	1	1	1	1
LACRIMATION	1	1	1	1	1
SALIVATION	1	1	1	1	1
PILOERECTION	0	0	0	0	0
ABNORMAL RESPIRATION	0	0	0	0	0
APPEARANCE	1	1	1	1	1
VISUAL REACTION	2	2	2	2	2
TACTILE REACTION	2	2	2	2	2
AUDITORY REACTION	3	3	3	3	3
TAIL-PINCH REACTION	2	2	2	2	2
VISUAL PLACING RESPONSE	1	1	1	1	1
AIR RIGHTING RESPONSE	1	1	1	1	1
PUPIL RESPONSE TO LIGHT	1	1	1	1	1
FORELIMB GRIP TEST #1	330	425	420	405	445
FORELIMB GRIP TEST #2	325	470	290	450	370
HINDLIMB GRIP TEST #1	410	335	345	205	365
HINDLIMB GRIP TEST #2	275	355	245	230	325
LANDING FOOT SPLAY #1	7.0	8.1	11.2	12.5	7.8
LANDING FOOT SPLAY #2	9.8	8.5	11.3	12.7	7.2
BODY WEIGHT (G)	433	450	441a	470	477

VALUES ARE THE QUANTITY, CATEGORY NUMBER, QUANTAL RESPONSE OR SCORE RECORDED FOR EACH ITEM IN THE BATTERY.

a. Value appeared incorrectly recorded and was excluded from group averages and statistical analyses.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B22 (PAGE 3): FUNCTIONAL OBSERVATIONAL BATTERY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP III	50 MG/KG/DAY				
RAT #	17605	17610	17611	17613	17619
HOME CAGE BEHAVIOR	2	2	2	2	2
ALTERATIONS (HOME CAGE)	1	1	1	1	1
REACTION TO REMOVAL	1	1	1	1	1
REACTION TO HANDLING	1	1	1	1	1
REARS IN OPEN FIELD	10	10	7	9	0
DEFECATION IN OPEN FIELD	1	1	1	1	1
URINATION IN OPEN FIELD	1	1	2	2	1
LEVEL OF AROUSAL	3	3	3	3	3
ALTERATIONS (OPEN FIELD)	1	1	1	1	1
GAIT PATTERN	1	1	1	1	1
GAIT ABNORMALITY, SEVERITY	1	1	1	1	1
PALPEBRAL CLOSURE	1	1	1	1	1
PROMINENCE OF THE EYE	1	1	1	1	1
LACRIMATION	1	1	1	1	1
SALIVATION	1	1	1	1	1
PILOERCTION	0	0	0	0	0
ABNORMAL RESPIRATION	0	0	0	0	0
APPEARANCE	1	1	1	1	1
VISUAL REACTION	2	2	2	2	2
TACTILE REACTION	2	2	2	2	2
AUDITORY REACTION	3	3	3	3	3
TAIL-PINCH REACTION	2	2	2	2	2
VISUAL PLACING RESPONSE	1	1	1	1	1
AIR RIGHTING RESPONSE	1	1	1	1	1
PUPIL RESPONSE TO LIGHT	1	1	1	1	1
FORELIMB GRIP TEST #1	205	395	315	380	195
FORELIMB GRIP TEST #2	270	575	410	400	365
HINDLIMB GRIP TEST #1	285	560	405	390	310
HINDLIMB GRIP TEST #2	360	465	480	345	230
LANDING FOOT SPLAY #1	7.2	7.2	9.9	7.0	8.1
LANDING FOOT SPLAY #2	7.1	7.4	9.7	6.5	9.3
BODY WEIGHT (G)	415	488	432	430	428

VALUES ARE THE QUANTITY, CATEGORY NUMBER, QUANTAL RESPONSE OR SCORE RECORDED FOR EACH ITEM IN THE BATTERY.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B22 (PAGE 4): FUNCTIONAL OBSERVATIONAL BATTERY - INDIVIDUAL DATA - MALE RATS

DOSAGE GROUP IV	250 MG/KG/DAY				
RAT #	17606	17609	17612	17614	17617
HOME CAGE BEHAVIOR	2	2	2	2	2
ALTERATIONS (HOME CAGE)	1	1	1	1	1
REACTION TO REMOVAL	1	1	1	1	1
REACTION TO HANDLING	1	1	1	1	1
REARS IN OPEN FIELD	13	19	12	9	0
DEFECATION IN OPEN FIELD	1	2	1	1	3
URINATION IN OPEN FIELD	2	1	1	1	2
LEVEL OF AROUSAL	3	3	3	3	3
ALTERATIONS (OPEN FIELD)	1	1	1	1	1
GAIT PATTERN	1	1	1	1	1
GAIT ABNORMALITY, SEVERITY	1	1	1	1	1
PALPEBRAL CLOSURE	1	1	1	1	1
PROMINENCE OF THE EYE	1	1	1	1	1
LACRIMATION	1	1	1	1	1
SALIVATION	1	1	1	1	1
PILOERECTION	0	0	0	0	0
ABNORMAL RESPIRATION	0	0	0	0	0
APPEARANCE	1	1	1	1a	1
VISUAL REACTION	2	2	2	2	2
TACTILE REACTION	2	2	2	2	2
AUDITORY REACTION	3	3	3	3	3
TAIL-PINCH REACTION	2	2	2	2	2
VISUAL PLACING RESPONSE	1	1	1	1	1
AIR RIGHTING RESPONSE	1	1	1	1	1
PUPIL RESPONSE TO LIGHT	1	1	1	1	1
FORELIMB GRIP TEST #1	210	275	400	170	285
FORELIMB GRIP TEST #2	200	310	465	140	310
HINDLIMB GRIP TEST #1	190	385	400	180	290
HINDLIMB GRIP TEST #2	410	405	460	205	225
LANDING FOOT SPLAY #1	8.0	7.6	6.6	6.9	8.7
LANDING FOOT SPLAY #2	10.2	7.8	6.5	6.7	10.0
BODY WEIGHT (G)	410	434	411	436	421

VALUES ARE THE QUANTITY, CATEGORY NUMBER, QUANTAL RESPONSE OR SCORE RECORDED FOR EACH ITEM IN THE BATTERY.

a. Chromorhinorrhea.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B23 (PAGE 1): MOTOR ACTIVITY - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY				
RAT NUMBER		17601	17602	17603	17604	17607
DAY 86						
NUMBER OF MOVEMENTS						
BLOCK 1		76	58	75	54	64
BLOCK 2		79	70	81	65	65
BLOCK 3		72	63	70	70	74
BLOCK 4		63	33	76	74	44
BLOCK 5		36	0	7	74	32
BLOCK 6		1	6	41	72	36
BLOCK 7		0	2	79	62	32
BLOCK 8		2	55	72	61	34
BLOCK 9		0	81	6	57	31
BLOCK 10		0	26	9	57	2
BLOCK 11		28	4	3	64	1
BLOCK 12		77	1	6	71	4
BLOCK 13		67	3	7	53	0
BLOCK 14		9	2	3	60	0
BLOCK 15		0	0	6	50	0
BLOCK 16		4	2	14	54	0
BLOCK 17		3	1	5	60	0
BLOCK 18		1	0	6	55	0
TOTAL		518	407	566	1113	419

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B23 (PAGE 2): MOTOR ACTIVITY - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY				
RAT NUMBER		17601	17602	17603	17604	17607
DAY 86						
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1		186	196	147	169	195
BLOCK 2		161	149	180	168	196
BLOCK 3		79	146	120	180	179
BLOCK 4		84	54	104	78	69
BLOCK 5		33	0	9	136	31
BLOCK 6		0	2	53	154	46
BLOCK 7		0	0	107	86	33
BLOCK 8		0	85	88	109	42
BLOCK 9		0	123	1	114	44
BLOCK 10		0	25	3	110	1
BLOCK 11		45	8	1	99	0
BLOCK 12		103	0	2	91	2
BLOCK 13		101	0	5	72	0
BLOCK 14		7	1	0	113	0
BLOCK 15		0	0	0	102	0
BLOCK 16		2	0	7	100	0
BLOCK 17		0	0	2	84	0
BLOCK 18		0	0	2	72	0
TOTAL		801	789	831	2037	838

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B23 (PAGE 3): MOTOR ACTIVITY - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP II		10 MG/KG/DAY			
RAT NUMBER		17615	17616	17624	17626
DAY 86					
NUMBER OF MOVEMENTS					
BLOCK 1		52	66	78	65
BLOCK 2		59	76	77	58
BLOCK 3		57	91	75	54
BLOCK 4		48	74	73	45
BLOCK 5		31	85	70	63
BLOCK 6		0	81	59	67
BLOCK 7		0	71	27	64
BLOCK 8		0	64	50	50
BLOCK 9		0	43	55	55
BLOCK 10		1	72	9	48
BLOCK 11		0	27	30	60
BLOCK 12		2	44	17	14
BLOCK 13		0	65	0	5
BLOCK 14		0	58	0	44
BLOCK 15		0	37	0	52
BLOCK 16		2	6	0	41
BLOCK 17		1	3	0	13
BLOCK 18		0	5	12	0
TOTAL		253	968	632	798
					873

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B23 (PAGE 4): MOTOR ACTIVITY - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP II		10 MG/KG/DAY			
RAT NUMBER		17615	17616	17624	17626
DAY 86					
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1		233	196	195	196
BLOCK 2		182	154	164	170
BLOCK 3		135	169	160	120
BLOCK 4		85	122	94	79
BLOCK 5		45	136	127	123
BLOCK 6		0	107	78	119
BLOCK 7		0	143	12	112
BLOCK 8		0	94	55	73
BLOCK 9		0	86	77	127
BLOCK 10		0	74	7	74
BLOCK 11		0	28	20	93
BLOCK 12		1	68	15	15
BLOCK 13		0	91	0	9
BLOCK 14		0	66	0	42
BLOCK 15		0	29	0	69
BLOCK 16		1	5	0	70
BLOCK 17		0	0	0	14
BLOCK 18		0	3	10	0
TOTAL		682	1571	1014	1505
					1440

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B23 (PAGE 5): MOTOR ACTIVITY - INDIVIDUAL DATA - F₀ GENERATION MALE RATS

DOSAGE GROUP III		50 MG/KG/DAY				
RAT NUMBER		17605	17610	17611	17613	17619
DAY 86						
NUMBER OF MOVEMENTS						
BLOCK 1		66	64	63	69	58
BLOCK 2		67	37	64	75	73
BLOCK 3		64	51	81	63	75
BLOCK 4		70	40	43	50	70
BLOCK 5		69	22	0	52	71
BLOCK 6		41	0	11	28	62
BLOCK 7		41	2	1	2	66
BLOCK 8		2	52	29	3	41
BLOCK 9		4	34	43	2	78
BLOCK 10		1	68	66	48	39
BLOCK 11		0	40	80	48	11
BLOCK 12		0	37	51	1	23
BLOCK 13		1	31	63	0	2
BLOCK 14		0	55	34	0	10
BLOCK 15		5	57	14	1	0
BLOCK 16		54	31	11	0	14
BLOCK 17		14	53	0	0	0
BLOCK 18		1	34	0	2	1
TOTAL		500	708	654	444	694

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B23 (PAGE 6): MOTOR ACTIVITY - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP III		50 MG/KG/DAY				
RAT NUMBER		17605	17610	17611	17613	17619
DAY 86						
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1		177	181	221	190	173
BLOCK 2		119	134	166	164	92
BLOCK 3		144	98	135	135	105
BLOCK 4		145	88	67	88	120
BLOCK 5		108	25	0	64	84
BLOCK 6		59	0	8	39	60
BLOCK 7		54	0	0	0	113
BLOCK 8		0	71	17	0	46
BLOCK 9		6	35	53	0	97
BLOCK 10		0	112	137	77	37
BLOCK 11		0	71	160	64	7
BLOCK 12		0	66	39	0	26
BLOCK 13		0	40	68	0	1
BLOCK 14		0	71	36	0	6
BLOCK 15		4	81	12	0	0
BLOCK 16		58	56	4	0	14
BLOCK 17		16	84	0	0	0
BLOCK 18		0	59	0	1	1
TOTAL		890	1272	1123	822	982

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B23 (PAGE 7): MOTOR ACTIVITY - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP IV		250 MG/KG/DAY				
RAT NUMBER		17606	17609	17612	17614	17617
DAY 86						
NUMBER OF MOVEMENTS						
BLOCK 1		61	60	65	72	70
BLOCK 2		70	54	76	88	73
BLOCK 3		48	64	63	73	62
BLOCK 4		54	60	48	73	71
BLOCK 5		1	52	1	12	62
BLOCK 6		2	6	0	18	54
BLOCK 7		3	1	0	1	49
BLOCK 8		1	8	1	0	31
BLOCK 9		0	2	0	1	4
BLOCK 10		2	0	48	0	4
BLOCK 11		1	32	47	50	0
BLOCK 12		3	56	1	50	3
BLOCK 13		4	20	0	9	4
BLOCK 14		1	1	1	16	0
BLOCK 15		10	0	1	29	0
BLOCK 16		57	2	0	20	2
BLOCK 17		1	0	0	16	2
BLOCK 18		1	5	0	11	0
TOTAL		320	423	352	539	491

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE B23 (PAGE 8): MOTOR ACTIVITY - INDIVIDUAL DATA - F0 GENERATION MALE RATS

DOSAGE GROUP IV		250 MG/KG/DAY				
RAT NUMBER		17606	17609	17612	17614	17617
DAY 86						
TIME (SECONDS) SPENT IN MOVEMENT						
BLOCK 1		192	197	181	187	141
BLOCK 2		163	173	108	180	139
BLOCK 3		82	114	95	142	125
BLOCK 4		122	146	44	167	67
BLOCK 5		0	70	0	14	77
BLOCK 6		0	5	0	10	105
BLOCK 7		0	0	0	0	68
BLOCK 8		0	4	0	0	21
BLOCK 9		0	1	0	0	2
BLOCK 10		0	0	64	0	7
BLOCK 11		0	33	79	52	0
BLOCK 12		1	92	0	60	0
BLOCK 13		1	19	0	8	1
BLOCK 14		0	0	0	11	0
BLOCK 15		7	0	0	26	0
BLOCK 16		89	0	0	51	0
BLOCK 17		0	0	0	20	0
BLOCK 18		0	0	0	6	0
TOTAL		657	854	571	934	753

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

APPENDIX C
REPORT TABLES - Fo GENERATION FEMALE RATS

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C1 (PAGE 1): CLINICAL OBSERVATIONS - SUMMARY - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
MORTALITY	0	0	0	0
<u>PRECOHABITATION (DAY 1 OF STUDY TO THE DAY OF COHABITATION):</u>				
MAXIMUM POSSIBLE INCIDENCE	225/ 15	225/ 15	225/ 15	225/ 15
RED, SLIGHT PERIORAL SUBSTANCE	1/ 1	0/ 0	0/ 0	3/ 3
EXCESS SALIVATION	1/ 1	0/ 0	0/ 0	4/ 2
TAIL BENT	0/ 0	0/ 0	0/ 0	13/ 1
CHROMODACRYORRHEA	1/ 1	0/ 0	0/ 0	1/ 1
RIGHT EYE: CORNEAL OPACITY	0/ 0	0/ 0	12/ 1	0/ 0
LOCALIZED ALOPECIA: LIMBS	9/ 2	1/ 1	0/ 0	0/ 0

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.

MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.

N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C1 (PAGE 2): CLINICAL OBSERVATIONS - SUMMARY - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
MORTALITY	0	0	0	0	
<u>PRESUMED GESTATION:</u> a					
MAXIMUM POSSIBLE INCIDENCE	330/ 15	335/ 15	331/ 15	316/ 14	
EXCESS SALIVATION	0/ 0	0/ 0	0/ 0	25/ 7**	
RED, SLIGHT OR MODERATE PERIORAL SUBSTANCE	0/ 0	0/ 0	0/ 0	16/ 6**	
LOCALIZED ALOPECIA:	TOTAL LIMBS UNDERSIDE HEAD	43/ 2 43/ 2 0/ 0 0/ 0	40/ 3 40/ 3 0/ 0 0/ 0	26/ 2 26/ 2 0/ 0 0/ 0	41/ 3 38/ 2 4/ 1 3/ 1
URINE-STAINED ABDOMINAL FUR	0/ 0	0/ 0	0/ 0	12/ 2	
TAIL BENT	0/ 0	0/ 0	0/ 0	22/ 1	
RED PERIVAGINAL SUBSTANCE	0/ 0	0/ 0	0/ 0	1/ 1	
CHROMODACRYORRHEA	0/ 0	0/ 0	2/ 1	0/ 0	
INCISORS: MISSING/BROKEN	0/ 0	1/ 1	0/ 0	0/ 0	
SOFT OR LIQUID FECES	0/ 0	1/ 1	0/ 0	0/ 0	

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.
MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.

N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.

a. Restricted to rats with a confirmed mating date.

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C1 (PAGE 3): CLINICAL OBSERVATIONS - SUMMARY - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
MORTALITY	0	0	0	0
<u>LACTATION:</u>				
MAXIMUM POSSIBLE INCIDENCE	90/ 15	84/ 14	90/ 15	70/ 13
LOCALIZED ALOPECIA: TOTAL	12/ 2	13/ 3	12/ 2	7/ 2
LIMBS	12/ 2	13/ 3	12/ 2	7/ 2
UNDERSIDE	0/ 0	0/ 0	0/ 0	6/ 1
EXCESS SALIVATION	0/ 0	0/ 0	0/ 0	4/ 2
TAIL BENT	0/ 0	0/ 0	0/ 0	6/ 1
DEHYDRATION	0/ 0	0/ 0	0/ 0	1/ 1

STATISTICAL ANALYSES OF CLINICAL OBSERVATION DATA WERE RESTRICTED TO THE NUMBER OF RATS WITH OBSERVATIONS.

MAXIMUM POSSIBLE INCIDENCE = (DAYS x RATS)/NUMBER OF RATS EXAMINED PER GROUP.

N/N = TOTAL NUMBER OF OBSERVATIONS/NUMBER OF RATS WITH OBSERVATION.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C2 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS EXAMINED a	N 15	15	15	15
MORTALITY	N 0	0	0	0
APPEARED NORMAL	N 15	15	14	14
KIDNEYS: RIGHT, ABSENT	N 0	0	1	0
THYMUS: SMALL	N 0	0	0	1

a. Refer to the individual clinical observations table (Table C27) for external observations confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C3 (PAGE 1): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	15	15	15	15
PREGNANT	N	15	14	15	13
INCLUDED IN ANALYSES	N	15	14	15	11a
TERMINAL BODY WEIGHT	MEAN±S.D.	299.1 ± 24.7	304.0 ± 18.9	296.0 ± 25.0	284.8 ± 11.1
BRAIN	MEAN±S.D.	2.20 ± 0.08 [10]b	2.19 ± 0.07 [10]b	2.19 ± 0.07 [10]b	2.20 ± 0.08 [9]b
LIVER	MEAN±S.D.	11.22 ± 1.26	11.81 ± 1.50	11.66 ± 1.28	13.56 ± 0.89**
KIDNEY LEFT	MEAN±S.D.	1.20 ± 0.13 [10]b	1.29 ± 0.14 [10]b	1.31 ± 0.32 [10]b	1.23 ± 0.08 [9]b
KIDNEY RIGHT	MEAN±S.D.	1.20 ± 0.13 [10]b	1.31 ± 0.10 [10]b	1.27 ± 0.14 [9]b,c	1.27 ± 0.08 [9]b
ADRENAL LEFT	MEAN±S.D.	0.042 ± 0.004 [10]b	0.046 ± 0.008 [10]b	0.041 ± 0.008 [10]b	0.045 ± 0.008 [9]b
ADRENAL RIGHT	MEAN±S.D.	0.041 ± 0.006 [10]b	0.043 ± 0.006 [10]b	0.038 ± 0.008 [10]b	0.040 ± 0.006 [9]b
SPLEEN	MEAN±S.D.	0.70 ± 0.06 [10]b	0.74 ± 0.14 [10]b	0.76 ± 0.10 [10]b	0.64 ± 0.09 [9]b
THYMUS	MEAN±S.D.	0.27 ± 0.07 [10]b	0.34 ± 0.07 [10]b	0.29 ± 0.07 [10]b	0.22 ± 0.05 [9]b
OVARY LEFT	MEAN±S.D.	0.080 ± 0.017	0.079 ± 0.012	0.079 ± 0.015	0.076 ± 0.010
OVARY RIGHT	MEAN±S.D.	0.081 ± 0.014	0.083 ± 0.013	0.084 ± 0.015	0.080 ± 0.014
UTERUS WITH CERVIX	MEAN±S.D.	0.80 ± 0.11	0.79 ± 0.10	0.78 ± 0.09	0.70 ± 0.06
HEART	MEAN±S.D.	1.08 ± 0.11 [10]b	1.15 ± 0.08 [10]b	1.11 ± 0.14 [10]b	1.00 ± 0.12 [9]b

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

[] = NUMBER OF VALUES AVERAGED

a. Excludes values for dams that were sacrificed due to no surviving pups.

b. Results did not warrant examination of the five additional rats.

c. Excludes rat 17706, which had an absent right kidney.

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C4 (PAGE 1): RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - SUMMARY - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	15	15	15	15
PREGNANT	N	15	14	15	13
INCLUDED IN ANALYSES	N	15	14	15	11a
TERMINAL BODY WEIGHT	MEAN±S.D.	299.1 ± 24.7	304.0 ± 18.9	296.0 ± 25.0	284.8 ± 11.1
BRAIN	MEAN±S.D.	0.733 ± 0.059 [10]b	0.706 ± 0.029 [10]b	0.728 ± 0.065 [10]b	0.778 ± 0.040 [9]b
LIVER	MEAN±S.D.	3.753 ± 0.336	3.871 ± 0.318	3.935 ± 0.233	4.763 ± 0.284**
KIDNEY LEFT	MEAN±S.D.	0.397 ± 0.029 [10]b	0.416 ± 0.042 [10]b	0.432 ± 0.096 [10]b	0.434 ± 0.034 [9]b
KIDNEY RIGHT	MEAN±S.D.	0.400 ± 0.036 [10]b	0.421 ± 0.031 [10]b	0.421 ± 0.042 [9]b,d	0.449 ± 0.035** [9]b
ADRENAL LEFT c	MEAN±S.D.	13.994 ± 2.004 [10]b	14.906 ± 2.273 [10]b	13.476 ± 1.549 [10]b	15.943 ± 3.030 [9]b
ADRENAL RIGHT c	MEAN±S.D.	13.767 ± 2.449 [10]b	13.951 ± 1.699 [10]b	12.481 ± 1.930 [10]b	14.297 ± 2.379 [9]b
SPLEEN	MEAN±S.D.	0.234 ± 0.021 [10]b	0.236 ± 0.037 [10]b	0.255 ± 0.047 [10]b	0.227 ± 0.031 [9]b
THYMUS	MEAN±S.D.	0.092 ± 0.019 [10]b	0.107 ± 0.019 [10]b	0.094 ± 0.020 [10]b	0.076 ± 0.019 [9]b
OVARY LEFT c	MEAN±S.D.	26.915 ± 6.046	25.976 ± 4.034	26.551 ± 3.476	26.802 ± 3.440
OVARY RIGHT c	MEAN±S.D.	27.215 ± 4.339	27.123 ± 3.255	28.301 ± 4.894	28.246 ± 4.797
UTERUS WITH CERVIX	MEAN±S.D.	0.267 ± 0.034	0.258 ± 0.035	0.263 ± 0.028	0.246 ± 0.025
HEART	MEAN±S.D.	0.361 ± 0.019 [10]b	0.371 ± 0.026 [10]b	0.366 ± 0.036 [10]b	0.354 ± 0.034 [9]b

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

RATIOS (%) = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

[] = NUMBER OF VALUES AVERAGED

a. Excludes values for dams that were sacrificed due to no surviving pups.

b. Results did not warrant examination of the five additional rats.

c. Value was multiplied by 1000.

d. Excludes rat 17706, which had an absent right kidney.

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C5 (PAGE 1): RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - SUMMARY - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	10	10	10
PREGNANT	N	10	10	10
INCLUDED IN ANALYSES	N	10	10	9a
BRAIN WEIGHT	MEAN±S.D.	2.20 ± 0.08	2.19 ± 0.07	2.19 ± 0.07
LIVER	MEAN±S.D.	521.53 ± 59.00	564.65 ± 40.68*	547.24 ± 48.14
KIDNEY LEFT	MEAN±S.D.	54.44 ± 5.35	59.07 ± 5.87	59.77 ± 14.09
KIDNEY RIGHT	MEAN±S.D.	54.59 ± 5.44	59.89 ± 4.34	58.08 ± 6.21 [9]b
ADRENAL LEFT	MEAN±S.D.	1.90 ± 0.20	2.11 ± 0.34	1.88 ± 0.36
ADRENAL RIGHT	MEAN±S.D.	1.88 ± 0.29	1.98 ± 0.28	1.74 ± 0.38
SPLEEN	MEAN±S.D.	32.11 ± 3.12	33.76 ± 6.06	34.92 ± 4.73
THYMUS	MEAN±S.D.	12.42 ± 3.30	15.40 ± 2.84	13.18 ± 3.13
OVARY LEFT	MEAN±S.D.	3.69 ± 0.86	3.66 ± 0.59	3.82 ± 0.73
OVARY RIGHT	MEAN±S.D.	3.75 ± 0.77	3.94 ± 0.42	3.95 ± 0.67
UTERUS WITH CERVIX	MEAN±S.D.	36.63 ± 5.32	36.42 ± 4.93	36.07 ± 2.57
HEART	MEAN±S.D.	49.34 ± 4.16	52.51 ± 3.48	50.74 ± 6.49
ALL WEIGHTS WERE RECORDED IN GRAMS (G).				RATIOS (%) = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

[] = NUMBER OF VALUES AVERAGED

a. Excludes values for dams that were sacrificed due to no surviving pups.

b. Excludes rat 17706, which had an absent right kidney.

* Significantly different from the vehicle control group value ($p \leq 0.05$).

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C6 (PAGE 1): HEMATOLOGY - SUMMARY - F0 GENERATION FEMALE RATS
(See last page of this table for abbreviations)

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N 5	5	6	4
INCLUDED IN ANALYSES	N 4a	5	6	4
WBC (THSN/CU MM)	MEAN±S.D. 20.2 ± 2.70	14.9 ± 1.92	20.2 ± 2.71	21.6 ± 2.83
RBC (MILL/CU MM)	MEAN±S.D. 5.86 ± 0.466	6.00 ± 0.246	5.77 ± 0.578	5.76 ± 0.371
HGB (GRAMS/DL)	MEAN±S.D. 13.9 ± 0.61	14.3 ± 0.46	13.7 ± 0.78	13.2 ± 0.68
HCT (%)	MEAN±S.D. 36.8 ± 1.61	38.2 ± 1.08	36.3 ± 2.88	34.1 ± 2.46
MCV (CU MICRONS)	MEAN±S.D. 63.0 ± 2.88	63.6 ± 2.77	63.0 ± 1.87	59.2 ± 1.38
MCH (PICO GRAMS)	MEAN±S.D. 23.8 ± 1.21	23.8 ± 1.08	23.8 ± 1.26	22.9 ± 0.46
MCHC (%)	MEAN±S.D. 37.8 ± 0.72	37.4 ± 0.17	37.8 ± 1.01	38.7 ± 1.36
PLAT (THSN/CU MM)	MEAN±S.D. 1534 ± 140.4	947 ± 531.0	1598 ± 423.9	1547 ± 236.6
PT (SECONDS)	MEAN±S.D. 13.3 ± 0.40	13.3 ± 0.34 [4]a	13.2 ± 0.16 [5]a	13.2 ± 0.22
APTT (SECONDS)	MEAN±S.D. 21.2 ± 2.32	18.2 ± 1.95	22.0 ± 3.70	19.8 ± 4.39

[] = NUMBER OF VALUES AVERAGED

a. Excludes values for rats that had clotted samples.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C6 (PAGE 2): HEMATOLOGY - SUMMARY - F₀ GENERATION FEMALE RATS
(See last page of this table for abbreviations)

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	5	5	6	
INCLUDED IN ANALYSES	N	4a	5	6	
MPV (CU MICRONS)	MEAN±S.D.	7.7 ± 0.91	8.8 ± 2.08 [4]a	8.0 ± 1.02 [5]a	8.2 ± 0.58
NRBC COUNT	MEAN±S.D.	0 ± 0.0	0 ± 0.0	0 ± 0.0	0 ± 0.0
Lymphocyte (THSN/CU MM)	MEAN±S.D.	15.9 ± 1.81	12.6 ± 2.28	15.5 ± 2.48	16.4 ± 4.17
Segmented (THSN/CU MM)	MEAN±S.D.	3.9 ± 1.38	2.0 ± 0.76	4.4 ± 1.54	4.1 ± 1.95
Bands (THSN/CU MM)	MEAN±S.D.	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00	0.1 ± 0.12
Monocytes (THSN/CU MM)	MEAN±S.D.	0.3 ± 0.34	0.2 ± 0.16	0.2 ± 0.27	0.9 ± 0.56
Eosinophil (THSN/CU MM)	MEAN±S.D.	0.1 ± 0.12	0.0 ± 0.00	0.1 ± 0.17	0.0 ± 0.00
Basophils (THSN/CU MM)	MEAN±S.D.	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00
Abnormal L (THSN/CU MM)	MEAN±S.D.	0.1 ± 0.10	0.0 ± 0.00	0.0 ± 0.00	0.1 ± 0.15
Other (THSN/CU MM)	MEAN±S.D.	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00	0.0 ± 0.00

[] = NUMBER OF VALUES AVERAGED

a. Excludes values for rats that had clotted samples.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C6 (PAGE 3): HEMATOLOGY - SUMMARY - F0 GENERATION FEMALE RATS

KEY TO HEMATOLOGY TABLE	
ABBREVIATION	TERMINOLOGY
WBC	White Blood Cells (Leukocytes)
RBC	Red Blood Cells (Erythrocytes)
HGB	Hemoglobin
HCT	Hematocrit (Packed Cell Volume)
MCV	Mean Corpuscular Volume
MCH	Mean Corpuscular Hemoglobin
MCHC	Mean Corpuscular Hemoglobin Concentration
PLAT	Platelets
MPV	Mean Platelet Volume
PT	Prothrombin Time
APTT	Activated Partial Thromboplastin
NRBC	Nucleated Red Blood Cell Count
Segmented	Segmented Neutrophils
Abnormal L	Abnormal Lymphocytes
Other	Other Cells

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C7 (PAGE 1): CLINICAL CHEMISTRY - SUMMARY - F0 GENERATION FEMALE RATS
(See last page of this table for abbreviations)

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	5	5	6	4
TP (G/DL)	MEAN±S.D.	6.5 ± 0.45	6.5 ± 0.61	6.2 ± 0.44	6.3 ± 0.59
A (G/DL)	MEAN±S.D.	4.2 ± 0.30	4.2 ± 0.25	4.1 ± 0.33	4.1 ± 0.14
GLU (MG/DL)	MEAN±S.D.	125 ± 26.9	138 ± 6.6	124 ± 27.4	114 ± 28.1
CHOL (MG/DL)	MEAN±S.D.	52 ± 11.8	61 ± 7.5	58 ± 14.5	57 ± 12.9
TBILY (MG/DL)	MEAN±S.D.	0.1 ± 0.05	0.1 ± 0.04	0.1 ± 0.00	0.1 ± 0.05
BUN (MG/DL)	MEAN±S.D.	20 ± 3.6	18 ± 3.3	19 ± 3.3	21 ± 2.5
CREAT (MG/DL)	MEAN±S.D.	0.4 ± 0.04	0.3 ± 0.09	0.3 ± 0.04	0.4 ± 0.08
ALT (U/L)	MEAN±S.D.	60 ± 7.4	57 ± 13.0	62 ± 13.3	94 ± 7.4
AST (U/L)	MEAN±S.D.	100 ± 9.1	94 ± 18.8	117 ± 20.0	120 ± 23.8

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C7 (PAGE 2): CLINICAL CHEMISTRY - SUMMARY - F0 GENERATION FEMALE RATS
(See last page of this table for abbreviations)

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	5	5	6	4
ALK (U/L)	MEAN±S.D.	63 ± 19.5	51 ± 9.5	54 ± 23.0	87 ± 28.5
CA (MG/DL)	MEAN±S.D.	11.8 ± 0.37	11.7 ± 0.54	11.5 ± 0.31	11.9 ± 0.66
PHOS (MG/DL)	MEAN±S.D.	9.3 ± 0.13	8.1 ± 0.85	8.8 ± 1.54	9.5 ± 0.50
TRI (MG/DL)	MEAN±S.D.	56 ± 12.5	57 ± 22.2	48 ± 22.2	66 ± 10.6
NA (MMOL/L)	MEAN±S.D.	143 ± 2.1	142 ± 1.1	143 ± 1.0	140 ± 2.1
K (MMOL/L)	MEAN±S.D.	6.7 ± 0.37	6.4 ± 0.74	6.7 ± 0.51	6.7 ± 0.22
CL (MMOL/L)	MEAN±S.D.	97 ± 3.0	98 ± 1.2	101 ± 1.8	98 ± 2.9
G (G/DL)	MEAN±S.D.	2.3 ± 0.19	2.4 ± 0.38	2.2 ± 0.13	2.2 ± 0.46
A/G	MEAN±S.D.	1.8 ± 0.11	1.8 ± 0.20	1.9 ± 0.12	2.0 ± 0.44

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C7 (PAGE 3): CLINICAL CHEMISTRY - SUMMARY - F0 GENERATION FEMALE RATS

KEY TO CLINICAL CHEMISTRY TABLE	
ABBREVIATION	TERMINOLOGY
TP	Total Protein
A	Albumin
GLU	Glucose
CHOL	Cholesterol
TBIL	Total Bilirubin
BUN	Blood Urea Nitrogen
CREAT	Creatinine
ALT	Alanine Aminotransferase
AST	Aspartate Aminotransferase
ALK	Alkaline Phosphatase
CA	Calcium
PHOS	Phosphorus (inorganic)
TRI	Triglycerides
NA	Sodium
K	Potassium
CL	Chloride
G	Globulin
A/G	Albumin/Globulin Ratio

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C8 (PAGE 1): BODY WEIGHTS - PRECOHABITATION - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	15	15	15	
BODY WEIGHT (G)					
DAY 1	MEAN±S.D.	227.2 ± 7.9	227.3 ± 7.5	226.5 ± 5.9	226.5 ± 5.7
DAY 8	MEAN±S.D.	248.2 ± 11.8	248.8 ± 9.1	248.5 ± 12.1	242.5 ± 10.0
DAY 15a	MEAN±S.D.	262.3 ± 14.7	262.3 ± 13.5	260.7 ± 14.6	252.9 ± 12.8

DAY = DAY OF STUDY

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C9 (PAGE 1): BODY WEIGHT CHANGES - PRECOHABITATION - SUMMARY - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	15	15	15	
BODY WEIGHT CHANGE (G)					
DAYS 1 - 8	MEAN±S.D.	+21.0 ± 6.2	+21.5 ± 4.4	+21.9 ± 7.5	+16.0 ± 6.5*
DAYS 8 - 15a	MEAN±S.D.	+14.1 ± 5.2	+13.5 ± 6.0	+12.2 ± 5.3	+10.3 ± 4.1
DAYS 1 - 15a	MEAN±S.D.	+35.1 ± 10.0	+34.9 ± 8.4	+34.1 ± 10.4	+26.3 ± 8.9*

DAY = DAYS OF STUDY

a. Last value recorded before cohabitation.

* Significantly different from the vehicle control group value ($p \leq 0.05$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C10 (PAGE 1): MATERNAL BODY WEIGHTS - GESTATION - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)		I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	15	15	15	15
PREGNANT	N	15	14	15	13
MATERNAL BODY WEIGHT (G)					
DAY 0	MEAN±S.D.	268.5 ± 13.4	272.9 ± 13.0	272.1 ± 17.0	262.0 ± 16.2
DAY 1	MEAN±S.D.	276.3 ± 14.5	277.6 ± 14.8	276.8 ± 16.8	268.2 ± 13.1
DAY 2	MEAN±S.D.	281.8 ± 15.5	282.7 ± 15.0	280.6 ± 17.7	272.5 ± 14.2
DAY 3	MEAN±S.D.	284.4 ± 15.6	286.5 ± 17.4	282.5 ± 17.6	273.7 ± 14.8
DAY 4	MEAN±S.D.	288.0 ± 15.0	289.4 ± 15.9	287.6 ± 19.0	278.3 ± 16.6
DAY 5	MEAN±S.D.	292.1 ± 16.4	291.9 ± 17.3	289.8 ± 18.5	280.9 ± 16.4
DAY 6	MEAN±S.D.	295.8 ± 17.9	295.8 ± 17.7	292.0 ± 18.4	283.1 ± 15.7
DAY 7	MEAN±S.D.	299.7 ± 18.4	298.7 ± 16.5	296.8 ± 19.3	285.5 ± 17.2
DAY 8	MEAN±S.D.	303.5 ± 18.9	301.9 ± 17.4	299.0 ± 20.6	288.3 ± 17.5
DAY 9	MEAN±S.D.	306.0 ± 20.0	306.8 ± 19.2	302.4 ± 21.2	292.8 ± 18.0
DAY 10	MEAN±S.D.	312.5 ± 20.6	311.8 ± 20.1	308.1 ± 21.9	298.7 ± 17.1
DAY 11	MEAN±S.D.	319.3 ± 21.8	318.4 ± 19.6	315.3 ± 22.2	304.8 ± 17.3
DAY 12	MEAN±S.D.	325.3 ± 22.7	327.1 ± 21.6	322.9 ± 24.1	311.5 ± 16.7
DAY 13	MEAN±S.D.	329.8 ± 24.6	329.2 ± 21.8	324.9 ± 24.1	315.2 ± 16.7
DAY 14	MEAN±S.D.	338.3 ± 26.4	336.9 ± 23.8	331.3 ± 23.6	321.5 ± 17.2

DAY = DAY OF GESTATION

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C10 (PAGE 2): MATERNAL BODY WEIGHTS - GESTATION - SUMMARY - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	15	15	15
PREGNANT	N	15	14	13
MATERNAL BODY WEIGHT (G)				
DAY 15	MEAN±S.D.	345.4 ± 25.9	341.4 ± 24.5	338.8 ± 24.0
DAY 16	MEAN±S.D.	355.7 ± 25.5	354.2 ± 25.9	350.5 ± 23.4
DAY 17	MEAN±S.D.	368.6 ± 27.4	368.8 ± 26.5	363.9 ± 24.5
DAY 18	MEAN±S.D.	386.9 ± 29.4	387.1 ± 29.6	380.1 ± 24.1
DAY 19	MEAN±S.D.	400.6 ± 29.7	400.9 ± 30.7	395.7 ± 24.2
DAY 20	MEAN±S.D.	418.1 ± 34.5	416.5 ± 32.8	411.4 ± 26.7

DAY = DAY OF GESTATION

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C11 (PAGE 1): MATERNAL BODY WEIGHT CHANGES - GESTATION - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	15	15	15
PREGNANT	N	15	14	13
MATERNAL BODY WEIGHT CHANGE (G)				
DAYS 0 - 3	MEAN±S.D.	+15.9 ± 4.8	+13.6 ± 5.7	+10.4 ± 5.7*
DAYS 3 - 6	MEAN±S.D.	+11.4 ± 5.5	+9.4 ± 4.9	+9.5 ± 4.2
DAYS 6 - 9	MEAN±S.D.	+10.2 ± 4.5	+11.0 ± 3.8	+10.4 ± 5.2
DAYS 9 - 12	MEAN±S.D.	+19.3 ± 4.9	+20.3 ± 5.3	+20.5 ± 4.2
DAYS 12 - 15	MEAN±S.D.	+20.1 ± 4.6	+14.3 ± 6.2**	+15.9 ± 5.2*
DAYS 15 - 18	MEAN±S.D.	+41.5 ± 6.2	+45.7 ± 9.2	+41.3 ± 5.5
DAYS 18 - 20	MEAN±S.D.	+31.2 ± 8.6	+29.4 ± 6.7	+31.3 ± 6.3
DAYS 0 - 20	MEAN±S.D.	+149.6 ± 24.8	+143.6 ± 23.0	+139.3 ± 17.1

DAY = DAYS OF GESTATION

* Significantly different from the vehicle control group value ($p \leq 0.05$).

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C12 (PAGE 1): MATERNAL BODY WEIGHTS - LACTATION - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	15	15	15
PREGNANT	N	15	14	15
DELIVERED A LITTER	N	15	14	15
MATERNAL BODY WEIGHT (G)				
DAY 1	MEAN±S.D.	321.2 ± 24.7	319.8 ± 20.8	316.5 ± 25.0
DAY 2	MEAN±S.D.	320.9 ± 27.2	324.6 ± 25.7	318.7 ± 26.1
DAY 3	MEAN±S.D.	320.9 ± 26.5	326.4 ± 24.7	322.7 ± 25.9
DAY 4	MEAN±S.D.	324.1 ± 27.6	329.1 ± 25.0	320.6 ± 25.8
DAY 5	MEAN±S.D.	327.5 ± 29.4	339.1 ± 21.6	327.9 ± 27.5
DAY 6	MEAN±S.D.	299.1 ± 24.7	304.0 ± 18.9	296.0 ± 25.0

DAY = DAY OF LACTATION

[] = NUMBER OF VALUES AVERAGED

a. Excludes values for dams that were sacrificed due to no surviving pups.

* Significantly different from the vehicle control group value ($p \leq 0.05$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C13 (PAGE 1): MATERNAL BODY WEIGHT CHANGES - LACTATION - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	15	15	15
PREGNANT	N	15	14	15
DELIVERED A LITTER	N	15	14	15
MATERNAL BODY WEIGHT CHANGE (G)				
DAYS 1 - 2	MEAN±S.D.	-0.3 ± 9.3	+4.7 ± 8.2	+2.2 ± 7.2
DAYS 2 - 3	MEAN±S.D.	-0.1 ± 8.0	+1.8 ± 6.5	+3.9 ± 5.9
DAYS 3 - 4	MEAN±S.D.	+3.3 ± 6.4	+2.7 ± 8.3	-2.1 ± 6.0
DAYS 4 - 5	MEAN±S.D.	+3.4 ± 9.0	+10.0 ± 6.9	+7.3 ± 4.3
DAYS 5 - 6	MEAN±S.D.	-28.4 ± 8.6	-35.1 ± 8.5	-31.9 ± 5.8
DAYS 1 - 6	MEAN±S.D.	-22.1 ± 9.6	-15.8 ± 6.5	-20.5 ± 9.7

DAY = DAYS OF LACTATION

[] = NUMBER OF VALUES AVERAGED

a. Excludes values for dams that were sacrificed due to no surviving pups.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C14 (PAGE 1): ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - PRECOHABITATION - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	15	15	15	
FEED CONSUMPTION (G/DAY)					
DAYS 1 - 8	MEAN±S.D.	19.4 ± 2.8	19.4 ± 1.7	19.8 ± 2.8	18.5 ± 2.6
DAYS 8 - 15a	MEAN±S.D.	20.3 ± 2.5	20.7 ± 2.1	20.3 ± 2.8	19.2 ± 1.6 [14]b
DAYS 1 - 15a	MEAN±S.D.	19.8 ± 2.6	20.0 ± 1.8	20.0 ± 2.7	18.6 ± 1.6 [14]b

DAYS = DAYS OF STUDY

[] = NUMBER OF VALUES AVERAGED

a. Last value recorded before cohabitation.

b. Excludes values that were associated with spillage.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C15 (PAGE 1): RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - PRECOHABITATION - SUMMARY - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	15	15	15
FEED CONSUMPTION (G/KG/DAY)				
DAYS 1 - 8	MEAN±S.D.	82.2 ± 12.7	81.6 ± 5.4	83.4 ± 9.3
DAYS 8 - 15a	MEAN±S.D.	79.6 ± 10.7	80.7 ± 5.3	77.3 ± 3.9 [14]b
DAYS 1 - 15a	MEAN±S.D.	80.9 ± 11.6	81.3 ± 4.6	77.2 ± 4.0 [14]b

DAYS = DAYS OF STUDY

[] = NUMBER OF VALUES AVERAGED

a. Last value recorded before cohabitation.

b. Excludes values that were associated with spillage.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C16 (PAGE 1): MATERNAL ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - GESTATION - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N 15	15	15	15
PREGNANT	N 15	14	15	13
MATERNAL FEED CONSUMPTION (G/DAY)				
DAYS 0 - 7	MEAN±S.D. 23.3 ± 1.9	23.3 ± 2.7	22.6 ± 3.2	22.2 ± 2.3 [12]a
DAYS 7 - 10	MEAN±S.D. 25.1 ± 2.4	25.2 ± 2.7	23.7 ± 3.6	24.2 ± 2.7
DAYS 10 - 12	MEAN±S.D. 25.4 ± 2.9	25.6 ± 4.0	25.0 ± 3.2	26.5 ± 3.4
DAYS 12 - 15	MEAN±S.D. 26.4 ± 2.9	26.5 ± 3.8	25.7 ± 4.2	26.4 ± 2.3
DAYS 15 - 18	MEAN±S.D. 26.8 ± 3.1	28.3 ± 3.2	26.9 ± 3.7	28.1 ± 3.2
DAYS 18 - 20	MEAN±S.D. 25.7 ± 3.7	25.3 ± 3.4	25.8 ± 2.8	25.0 ± 2.8
DAYS 0 - 20	MEAN±S.D. 25.0 ± 2.3	25.2 ± 2.7	24.4 ± 3.0	24.8 ± 1.8

DAYS = DAYS OF GESTATION

[] = NUMBER OF VALUES AVERAGED

a. Excludes values that were associated with spillage.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C17 (PAGE 1): MATERNAL RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - GESTATION - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N 15	15	15	15
PREGNANT	N 15	14	15	13
MATERNAL FEED CONSUMPTION (G/KG/DAY)				
DAYS 0 - 7	MEAN±S.D. 81.6 ± 4.0	80.9 ± 5.7	79.0 ± 7.1	80.8 ± 6.6
DAYS 7 - 10	MEAN±S.D. 82.1 ± 5.0	82.4 ± 6.2	78.4 ± 8.3	83.2 ± 8.1
DAYS 10 - 12	MEAN±S.D. 79.5 ± 5.7	80.0 ± 9.5	79.3 ± 8.9	86.8 ± 10.3
DAYS 12 - 15	MEAN±S.D. 78.8 ± 4.9	79.1 ± 7.2	77.7 ± 10.1	82.8 ± 5.9
DAYS 15 - 18	MEAN±S.D. 73.6 ± 5.5	77.9 ± 5.1	75.0 ± 8.1	81.2 ± 9.1**
DAYS 18 - 20	MEAN±S.D. 64.0 ± 7.4	62.9 ± 6.2	65.1 ± 4.7	65.8 ± 7.5
DAYS 0 - 20	MEAN±S.D. 77.3 ± 3.7	77.8 ± 4.4	76.1 ± 6.0	80.2 ± 4.8

DAYS = DAYS OF GESTATION

[] = NUMBER OF VALUES AVERAGED

a. Excludes values that were associated with spillage.

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C18 (PAGE 1): MATERNAL ABSOLUTE FEED CONSUMPTION VALUES (G/DAY) - LACTATION - SUMMARY - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS TESTED	N	15	15	15	
PREGNANT	N	15	14	15	
DELIVERED A LITTER	N	15	14	15	
MATERNAL FEED CONSUMPTION (G/DAY)					
DAYS 1 - 5	MEAN±S.D.	31.4 ± 5.6	36.4 ± 4.2 [13]a	33.0 ± 5.6 [14]a	30.8 ± 7.4 [11]b

DAYS = DAYS OF LACTATION

[] = NUMBER OF VALUES AVERAGED

a. Excludes values that were associated with spillage.

b. Excludes values for dams that were sacrificed due to no surviving pups.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C19 (PAGE 1): MATERNAL RELATIVE FEED CONSUMPTION VALUES (G/KG/DAY) - LACTATION - SUMMARY - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
RATS TESTED	N	15	15	15
PREGNANT	N	15	14	15
DELIVERED A LITTER	N	15	14	15
MATERNAL FEED CONSUMPTION (G/KG/DAY)				
DAYS 1 - 5	MEAN±S.D.	97.0 ± 13.4	110.9 ± 8.4 [13]a	103.3 ± 13.2 [14]a
				99.2 ± 22.8 [11]b

DAYS = DAYS OF LACTATION

[] = NUMBER OF VALUES AVERAGED

a. Excludes values that were associated with spillage.

b. Excludes values for dams that were sacrificed due to no surviving pups.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C20 (PAGE 1): MATING AND FERTILITY, ESTROUS CYCLING AND DAYS IN COHABITATION - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
<u>ESTROUS CYCLING OBSERVATIONS</u>				
RATS EVALUATED	N	15	15	15
PRECOHABITATION ESTROUS CYCLING				
ESTROUS STAGES/ 14 DAYS	MEAN+S.D.	3.1 ± 1.1	3.4 ± 0.8	3.2 ± 1.0
RATS WITH 6 OR MORE CONSECUTIVE DAYS OF DIESTRUS	N	1	0	1
RATS WITH 6 OR MORE CONSECUTIVE DAYS OF ESTRUS	N	0	0	0

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C20 (PAGE 2): MATING AND FERTILITY, ESTROUS CYCLING AND DAYS IN COHABITATION - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
<u>MATING OBSERVATIONS</u>				
RATS IN COHABITATION	N	15	15	15
DAYS IN COHABITATION a	MEAN±S.D.	3.0 ± 2.0	2.7 ± 1.0	4.3 ± 3.6
RATS THAT MATED	N (%)	15 (100.0)	15 (100.0)	15 (100.0)
FERTILITY INDEX b	N/N (%)	15/ 15 (100.0)	14/ 15 (93.3)	15/ 15 (100.0)
RATS WITH CONFIRMED MATING DATES	N	15	15	15
MATED BY FIRST MALE c DAYS 1-7	N (%)	14 (93.3)	15 (100.0)	13 (86.7)
MATED BY SECOND MALE c DAYS 7-14	N (%)	1 (6.7)	0 (0.0)	2 (13.3)
RATS PREGNANT/RATS IN COHABITATION	N/N (%)	15/ 15 (100.0)	14/ 15 (93.3)	15/ 15 (100.0)

a. Restricted to rats with a confirmed mating date and rats that did not mate.

b. Number of pregnancies/number of rats that mated.

c. Restricted to rats with a confirmed mating date.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C21 (PAGE 1): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I 0 (VEHICLE)	II 10	III 50	IV 250
RATS	N	5	4	5	5
HOME CAGE BEHAVIOR					
1: Sleeping	N	3	2	0	2
2: Awake, Immobile	N	2	2	5	3
3: Normal movement	N	0	0	0	0
4: Unusual posture	N	0	0	0	0
5: Unusual behavior	N	0	0	0	0
ALTERATIONS (HOME CAGE)					
1: None	N	5	4	5	5
2: Stereotyped behavior	N	0	0	0	0
3: Bizarre behavior	N	0	0	0	0
4: Limb twitches/tremor	N	0	0	0	0
5: Whole body tremor/spasm	N	0	0	0	0
6: Unusual posture	N	0	0	0	0
7: Tonic-clonic seizure	N	0	0	0	0
REACTION TO REMOVAL					
(1) Sits quietly	N	5	4	5	5
(2) Vocalization	N	0	0	0	0
(3) Runs or freezes	N	0	0	0	0
(4) Tail or throat rattles	N	0	0	0	0
MEAN SCORE		1.0	1.0	1.0	1.0
REACTION TO HANDLING					
(1) No resistance	N	5	4	5	5
(2) Vocalization	N	0	0	0	0
(3) Tense	N	0	0	0	0
(4) Squirming	N	0	0	0	0
MEAN SCORE		1.0	1.0	1.0	1.0

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C21 (PAGE 2): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I	II	III	IV
DOSAGE (MG/KG/DAY)	0 (VEHICLE)	10	50	250	
RATS	N	5	4	5	5
REARS IN OPEN FIELD	MEAN±S.D.	7.8 ± 1.8	10.3 ± 1.7	10.0 ± 2.8	9.0 ± 2.2
DEFECATION IN OPEN FIELD					
1: None	N	5	3	5	5
2: Feces normal	N	0	1	0	0
3: Soft or liquid feces	N	0	0	0	0
URINATION IN OPEN FIELD					
(1) None	N	5	3	5	5
(2) Normal urination	N	0	1	0	0
(3) Excess urination	N	0	0	0	0
	MEAN SCORE	1.0	1.3	1.0	1.0
LEVEL OF AROUSAL					
(1) Stuporous	N	0	0	0	0
(2) Sluggish	N	0	0	0	0
(3) Apparently normal	N	5	4	5	5
(4) Sudden darting	N	0	0	0	0
(5) Freezing, vocalization	N	0	0	0	0
	MEAN SCORE	3.0	3.0	3.0	3.0
ALTERATIONS (OPEN FIELD)					
1: None	N	4	4	5	5
2: Stereotyped behavior	N	0	0	0	0
3: Bizarre behavior	N	0	0	0	0
4: Limb twitches/tremor	N	0	0	0	0
5: Whole body tremor/spasm	N	0	0	0	0
6: Unusual posture	N	0	0	0	0
7: Tonic-clonic seizure	N	0	0	0	0

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C21 (PAGE 3): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I	II	III	IV
DOSAGE (MG/KG/DAY)	0 (VEHICLE)	10	50	250	
RATS	N	5	4	5	5
GAIT PATTERN					
1: Apparently normal	N	5	4	5	5
2: Ataxic	N	0	0	0	0
3: Limbs splay or drag	N	0	0	0	0
4: Spastic, tip-toe	N	0	0	0	0
5: Duck-walk	N	0	0	0	0
6: Scissors gait	N	0	0	0	0
GAIT ABNORMALITY, SEVERITY					
(1) Normal gait	N	5	4	5	5
(2) Slight	N	0	0	0	0
(3) Moderate	N	0	0	0	0
(4) Extreme	N	0	0	0	0
	MEAN SCORE	1.0	1.0	1.0	1.0
PALPEBRAL CLOSURE					
(1) Wide open	N	5	4	5	5
(2) Slightly drooping	N	0	0	0	0
(3) Half-closed	N	0	0	0	0
(4) Completely shut	N	0	0	0	0
	MEAN SCORE	1.0	1.0	1.0	1.0
PROMINENCE OF THE EYE					
1: Normal	N	5	4	5	5
2: Exophthalmos	N	0	0	0	0
3: Enophthalmos	N	0	0	0	0

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C21 (PAGE 4): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I 0 (VEHICLE)	II 10	III 50	IV 250
RATS	N	5	4	5	5
LACRIMATION					
(1) No excess	N	5	4	5	5
(2) Excess at eyelid margin	N	0	0	0	0
(3) Margin persistently damp	N	0	0	0	0
(4) Extends beyond margin	N	0	0	0	0
	MEAN SCORE	1.0	1.0	1.0	1.0
SALIVATION					
(1) No excess	N	5	4	4	5
(2) Margin of mouth wet	N	0	0	1	0
(3) 1/4 to 1/2 submandibular	N	0	0	0	0
(4) Entire submandibular	N	0	0	0	0
	MEAN SCORE	1.0	1.0	1.2	1.0
PILOERCTION					
ABNORMAL RESPIRATION	N	0	0	0	0
APPEARANCE					
(1) Clean and groomed	N	5	4	5	5
(2) Unkempt	N	0	0	0	0
(3) Urine and/or fecal stain	N	0	0	0	0
	MEAN SCORE	1.0	1.0	1.0	1.0
VISUAL REACTION					
(1) None	N	0	0	0	0
(2) Orienting	N	5	4	5	5
(3) Startle	N	0	0	0	0
(4) More energetic reaction	N	0	0	0	0
(5) Attacks	N	0	0	0	0
	MEAN SCORE	2.0	2.0	2.0	2.0

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C21 (PAGE 5): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I	II	III	IV
DOSAGE (MG/KG/DAY)		0 (VEHICLE)	10	50	250
RATS	N	5	4	5	5
TACTILE REACTION					
(1) None	N	0	0	0	0
(2) Orienting	N	5	4	5	5
(3) Startle	N	0	0	0	0
(4) More energetic reaction	N	0	0	0	0
(5) Attacks	N	0	0	0	0
	MEAN SCORE	2.0	2.0	2.0	2.0
AUDITORY REACTION					
(1) None	N	0	0	0	0
(2) Orienting	N	0	0	0	0
(3) Startle	N	5	4	5	5
(4) More energetic reaction	N	0	0	0	0
(5) Intense vocalization	N	0	0	0	0
	MEAN SCORE	3.0	3.0	3.0	3.0
TAIL-PINCH REACTION					
(1) None	N	0	0	0	0
(2) Orienting	N	5	4	5	5
(3) Startle	N	0	0	0	0
(4) More energetic reaction	N	0	0	0	0
(5) Attacks	N	0	0	0	0
	MEAN SCORE	2.0	2.0	2.0	2.0
VISUAL PLACING RESPONSE					
(1) Early extension	N	5	4	5	5
(2) Extension after contact	N	0	0	0	0
(3) No extension	N	0	0	0	0
	MEAN SCORE	1.0	1.0	1.0	1.0

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C21 (PAGE 6): FUNCTIONAL OBSERVATIONAL BATTERY - SUMMARY - FEMALE RATS

DOSAGE GROUP		I	II	III	IV
DOSAGE (MG/KG/DAY)	0 (VEHICLE)	10	50	250	
RATS	N	5	4	5	5
AIR RIGHTING RESPONSE					
(1) All feet land on ground	N	5	4	5	5
(2) Lands on side	N	0	0	0	0
(3) Lands on back	N	0	0	0	0
	MEAN SCORE	1.0	1.0	1.0	1.0
PUPIL RESPONSE TO LIGHT					
	N	5	4	5	5
FORELIMB GRIP TEST					
Maximum (G)	MEAN±S.D.	316.0 ± 53.4	303.8 ± 105.5	260.0 ± 40.8	381.0 ± 114.9
Average (G)	MEAN±S.D.	296.2 ± 43.2	276.8 ± 101.7	240.6 ± 23.2	358.0 ± 108.7
HINDLIMB GRIP TEST					
Maximum (G)	MEAN±S.D.	298.0 ± 90.7	321.3 ± 65.4	258.0 ± 44.2	359.0 ± 106.5
Average (G)	MEAN±S.D.	274.0 ± 85.3	306.0 ± 58.2	221.2 ± 38.6	328.8 ± 119.0
LANDING FOOT SPLAY					
Average (CM)	MEAN±S.D.	6.7 ± 0.3	6.3 ± 1.6	6.7 ± 0.7	6.8 ± 0.9
BODY WEIGHT (G)	MEAN±S.D.	332.8 ± 24.7	322.5 ± 26.9	321.2 ± 23.8	313.8 ± 25.9

n: = Category number for descriptive test item.

(n) = Score assigned to graded test items; mean score was calculated by multiplying each score by the number of rats with that score and then dividing the sum of the products by the total number of rats

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C22 (PAGE 1): MOTOR ACTIVITY - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
DAY 86				
NUMBER OF RATS	N	5	4	5
NUMBER OF MOVEMENTS				
BLOCK 1	MEAN ± S.D.	75.0 ± 8.5	73.0 ± 4.7	66.8 ± 12.8
BLOCK 2	MEAN ± S.D.	80.8 ± 12.8	78.2 ± 6.7	72.0 ± 16.8
BLOCK 3	MEAN ± S.D.	69.8 ± 17.3	77.8 ± 9.1	54.8 ± 38.4
BLOCK 4	MEAN ± S.D.	58.0 ± 29.8	62.5 ± 33.3	46.4 ± 41.6
BLOCK 5	MEAN ± S.D.	65.4 ± 30.3	51.8 ± 27.7	47.4 ± 37.8
BLOCK 6	MEAN ± S.D.	65.0 ± 33.3	56.0 ± 39.0	51.6 ± 29.8
BLOCK 7	MEAN ± S.D.	63.6 ± 28.6	61.5 ± 44.4	72.4 ± 8.2
BLOCK 8	MEAN ± S.D.	38.4 ± 30.4	52.8 ± 35.0	54.2 ± 10.1
BLOCK 9	MEAN ± S.D.	46.8 ± 32.4	65.5 ± 9.1	45.4 ± 39.6
BLOCK 10	MEAN ± S.D.	56.0 ± 30.4	69.5 ± 12.9	52.4 ± 13.0
BLOCK 11	MEAN ± S.D.	60.2 ± 39.1	53.0 ± 11.0	52.6 ± 23.6
BLOCK 12	MEAN ± S.D.	47.6 ± 36.6	41.0 ± 32.3	33.8 ± 25.0
BLOCK 13	MEAN ± S.D.	50.2 ± 25.2	34.2 ± 23.3	35.0 ± 27.1
BLOCK 14	MEAN ± S.D.	60.4 ± 17.9	29.5 ± 28.5	43.2 ± 25.8
BLOCK 15	MEAN ± S.D.	55.2 ± 10.1	49.5 ± 32.3	54.4 ± 30.2
BLOCK 16	MEAN ± S.D.	53.4 ± 14.3	54.5 ± 35.9	46.6 ± 29.1
BLOCK 17	MEAN ± S.D.	69.8 ± 28.0	25.2 ± 32.6	55.4 ± 29.1
BLOCK 18	MEAN ± S.D.	54.4 ± 13.4	31.5 ± 30.6	39.2 ± 29.7
TOTAL	MEAN ± S.D.	1070.0 ± 277.2	967.0 ± 219.2	923.6 ± 256.7
TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.				

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C22 (PAGE 2): MOTOR ACTIVITY - SUMMARY - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
DAY 86				
NUMBER OF RATS	N	5	4	5
TIME (SECONDS) SPENT IN MOVEMENT				
BLOCK 1	MEAN ± S.D.	190.2 ± 37.2	183.2 ± 29.5	220.4 ± 29.9
BLOCK 2	MEAN ± S.D.	178.8 ± 47.1	150.8 ± 22.8	141.6 ± 54.2
BLOCK 3	MEAN ± S.D.	130.4 ± 61.0	137.2 ± 43.1	84.2 ± 72.6
BLOCK 4	MEAN ± S.D.	91.8 ± 61.6	103.8 ± 71.5	62.8 ± 62.9
BLOCK 5	MEAN ± S.D.	99.4 ± 51.8	81.5 ± 62.8	77.2 ± 80.6
BLOCK 6	MEAN ± S.D.	86.4 ± 49.0	76.0 ± 50.8	77.0 ± 48.4
BLOCK 7	MEAN ± S.D.	87.8 ± 42.3	85.0 ± 57.7	110.8 ± 17.4
BLOCK 8	MEAN ± S.D.	67.6 ± 55.4	84.2 ± 64.3	87.6 ± 49.7
BLOCK 9	MEAN ± S.D.	74.6 ± 57.8	119.0 ± 23.8	72.0 ± 71.9
BLOCK 10	MEAN ± S.D.	88.0 ± 55.3	107.8 ± 20.2	64.2 ± 36.6
BLOCK 11	MEAN ± S.D.	75.4 ± 54.6	104.0 ± 73.8	82.6 ± 46.8
BLOCK 12	MEAN ± S.D.	71.8 ± 56.4	74.2 ± 80.8	45.2 ± 39.6
BLOCK 13	MEAN ± S.D.	83.0 ± 54.6	45.5 ± 40.1	56.8 ± 48.8
BLOCK 14	MEAN ± S.D.	85.8 ± 21.9	48.2 ± 65.4	69.0 ± 39.3
BLOCK 15	MEAN ± S.D.	92.4 ± 17.7	69.0 ± 53.1	87.6 ± 48.4
BLOCK 16	MEAN ± S.D.	78.2 ± 32.9	77.0 ± 54.6	68.6 ± 52.8
BLOCK 17	MEAN ± S.D.	89.0 ± 46.3	44.2 ± 74.1	86.6 ± 47.4
BLOCK 18	MEAN ± S.D.	70.2 ± 27.2	55.5 ± 69.8	56.2 ± 50.4
TOTAL	MEAN ± S.D.	1740.8 ± 585.8	1646.2 ± 621.4	1550.4 ± 528.7
TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.				

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C23 (PAGE 1): NATURAL DELIVERY OBSERVATIONS - SUMMARY - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250	
RATS ASSIGNED TO NATURAL DELIVERY	N	15	15	15	
PREGNANT	N (%)	15 (100.0)	14 (93.3)	15 (100.0)	13 (86.7)
DELIVERED A LITTER	N (%)	15 (100.0)	14 (100.0)	15 (100.0)	13 (100.0)
DURATION OF GESTATION a	MEAN±S.D.	22.7 ± 0.4	22.5 ± 0.5	22.8 ± 0.4	22.9 ± 0.3
IMPLANTATION SITES PER DELIVERED LITTER	N MEAN±S.D.	251 16.7 ± 2.4	226 16.1 ± 2.5	247 16.5 ± 1.1	204 15.7 ± 1.5
DAMS WITH STILLBORN PUPS	N (%)	1 (6.7)	0 (0.0)	2 (13.3)	4 (30.8)
DAMS WITH NO LIVEBORN PUPS	N	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
GESTATION INDEX b	% N/N	100.0 15 / 15	100.0 14 / 14	100.0 15 / 15	100.0 13 / 13
DAMS WITH ALL PUPS DYING DAYS 1-5 POSTPARTUM	N (%)	0 (0.0)	0 (0.0)	0 (0.0)	3 (23.1)**

a. Calculated as the time (in days) elapsed between confirmed mating (arbitrarily defined as day 0) and the time (in days) the first pup was delivered.

b. Number of rats with live offspring/number of pregnant rats.

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C24 (PAGE 1): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
<hr/>				
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS N	15	14	15	13
PUPS DELIVERED (TOTAL) N	236	215	231	183
MEAN±S.D.	15.7 ± 2.3	15.4 ± 2.6	15.4 ± 1.2	14.1 ± 2.8
LIVEBORN MEAN±S.D.	15.7 ± 2.2	15.4 ± 2.6	15.1 ± 0.9	13.3 ± 3.3
N (%) 235 (99.6)	215 (100.0)	227 (98.3)	173 (94.5)**	
STILLBORN MEAN±S.D.	0.1 ± 0.2	0.0 ± 0.0	0.3 ± 0.7	0.5 ± 0.8
N (%) 1 (0.4)	0 (0.0)	4 (1.7)	6 (3.3)**	
UNKNOWN VITAL STATUS N	0	0	0	4
<hr/>				
PUPS FOUND DEAD OR PRESUMED CANNIBALIZED				
DAY 1 N/N (%)	2/235 (0.8)	0/215 (0.0)	0/227 (0.0)	4/173 (2.3)**
DAYS 2- 5 N/N (%)	0/233 (0.0)	2/215 (0.9)	2/227 (0.9)	28/169 (16.6)**
VIABILITY INDEX a % N/N	99.1 233/235	99.1 213/215	99.1 225/227	81.5** 141/173

DAY(S) = DAY(S) POSTPARTUM

a. Number of live pups on day 5 postpartum/number of liveborn pups on day 1 postpartum.

** Significantly different from the vehicle control group value ($p \leq 0.01$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C24 (PAGE 2): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
<hr/>				
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	15	14	15
<hr/>				
SURVIVING PUPS/LITTER a				
DAY 1b	MEAN±S.D.	15.7 ± 2.2	15.4 ± 2.6	15.1 ± 0.9
DAY 5	MEAN±S.D.	15.5 ± 2.1	15.2 ± 2.4	10.8 ± 6.3*
<hr/>				
PERCENT MALE PUPS PER NUMBER OF PUPS SEXED				
DAY 1b	MEAN±S.D.	53.0 ± 9.2	52.7 ± 12.2	44.2 ± 16.2
DAY 5	MEAN±S.D.	53.1 ± 9.7	52.9 ± 12.2	47.0 ± 17.4 [10]c
<hr/>				

DAY = DAY POSTPARTUM

[] = NUMBER OF VALUES AVERAGED

a. Average number of live pups per litter, including litters with no surviving pups.

b. Includes pups born alive, found dead day 1 postpartum.

c. Excludes values for dams that were sacrificed due to no surviving pups.

* Significantly different from the vehicle control group value ($p \leq 0.05$).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C24 (PAGE 3): LITTER OBSERVATIONS (NATURALLY DELIVERED PUPS) - SUMMARY - F1 GENERATION LITTERS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
DELIVERED LITTERS WITH ONE OR MORE LIVEBORN PUPS	N	15	14	15
LIVE LITTER SIZE AT WEIGHING				
DAY 1	MEAN±S.D.	15.5 ± 2.1	15.4 ± 2.6	15.1 ± 0.9
DAY 5	MEAN±S.D.	15.5 ± 2.1	15.2 ± 2.4	14.1 ± 1.8 [12]a
				14.1 ± 1.7 [10]a
PUP WEIGHT/LITTER (GRAMS)				
DAY 1	MEAN±S.D.	6.4 ± 0.7	6.3 ± 0.4	6.5 ± 0.3
DAY 5	MEAN±S.D.	9.6 ± 1.0	10.0 ± 0.8	5.9 ± 0.8 [12]a
				9.3 ± 1.3 [10]a

DAY = DAY POSTPARTUM

[] = NUMBER OF VALUES AVERAGED

a. Excludes values for dams that were sacrificed due to no surviving pups.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C25 (PAGE 1): CLINICAL OBSERVATIONS FROM BIRTH TO DAY 5 POSTPARTUM - SUMMARY - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY) LITTERS EXAMINED (N)	I 0 (VEHICLE) 15	II 10 14	III 50 15	IV 250 13
TRANSIENT CLINICAL OBSERVATIONS: a				
		TOTAL FREQUENCY (DAYS X PUPS) / LITTERS WITH OBSERVATIONS		
COLD TO TOUCH	N/N	0/0	0/0	0/0
NOT NESTING	N/N	0/0	0/0	0/0
NOT NURSING	N/N	0/0	0/0	0/0
PALE	N/N	0/0	2/1	0/0
BRUISE b	N/N	2/1	9/1	2/1
STATISTICAL ANALYSES WERE RESTRICTED TO THE NUMBER OF LITTERS WITH OBSERVATIONS.				

a. Tabulation restricted to adverse observations; all other pups appeared normal.

b. Head, back, mouth, lower midline, chest, and/or neck.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C26 (PAGE 1): NECROPSY OBSERVATIONS - SUMMARY - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	I 0 (VEHICLE)	II 10	III 50	IV 250
LITTERS EXAMINED (N)	15	14	15	13
TOTAL PUPS STILLBORN				
OR FOUND DEAD a,b	N 2	0	4	5
STILLBORN	N 1	0	4	3
FOUND DEAD	N 1	0	0	2
NO MILK IN STOMACH c	N(%) 1(100.0)	0(0.0)	0(0.0)	1(50.0)
PUPS SACRIFICED AND NECROPSIED ON DAY 5 POSTPARTUM b				
LITTERS EVALUATED	N 15	14	15	10
PUPS EVALUATED	N 233	213	225	141
APPEARED NORMAL				
LITTER INCIDENCE	N(%) 15(100.0)	14(100.0)	15(100.0)	10(100.0)
PUP INCIDENCE	N(%) 233(100.0)	212(99.5)	225(100.0)	141(100.0)
KIDNEYS:				
BILATERAL, PELVIS, SLIGHT DILATION				
LITTER INCIDENCE	N(%) 0(0.0)	1(7.1)	0(0.0)	0(0.0)
PUP INCIDENCE	N(%) 0(0.0)	1(0.5)	0(0.0)	0(0.0)

- a. Restricted to pups in which complete necropsies were performed. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation.
- b. Refer to the individual pup clinical observations table (Table C44) for external clinical observations confirmed at necropsy.
- c. Analysis restricted to pups found dead and necropsied.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C27 (PAGE 1): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP I	VEHICLE	0 (VEHICLE) MG/KG/DAY
RAT #	DESCRIPTION	
17662	NO ADVERSE FINDINGS	
17672	DS(14)	EXCESS SALIVATION
17673	NO ADVERSE FINDINGS	
17674	DS(3)	CHROMODACRYORRHEA
17680	DS(14)	RED, SLIGHT PERIORAL SUBSTANCE
17681	NO ADVERSE FINDINGS	
17690	NO ADVERSE FINDINGS	
17694	NO ADVERSE FINDINGS	
17695	DS(11- 16)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 20)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 6)	LOCALIZED ALOPECIA: LIMBS a
17703	NO ADVERSE FINDINGS	
17713	NO ADVERSE FINDINGS	
17715	NO ADVERSE FINDINGS	
17716	NO ADVERSE FINDINGS	
17717	DS(12- 15)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 21)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 6)	LOCALIZED ALOPECIA: LIMBS a
17719	NO ADVERSE FINDINGS	

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION

a. Observation confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C27 (PAGE 2): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP II		LOW DOSAGE	10 MG/KG/DAY
RAT #		DESCRIPTION	
17663	DG(0)	SOFT OR LIQUID FECES	
17665		NO ADVERSE FINDINGS	
17666		NO ADVERSE FINDINGS	
17668		NO ADVERSE FINDINGS	
17671	DG(9- 21) DL(1- 6)	LOCALIZED ALOPECIA: LIMBS LOCALIZED ALOPECIA: LIMBS a	
17675		NO ADVERSE FINDINGS	
17679	DG(14)	INCISORS: MISSING/BROKEN	
17684		NO ADVERSE FINDINGS	
17688		NO ADVERSE FINDINGS	
17698	DS(13) DG(12- 19)	LOCALIZED ALOPECIA: LIMBS LOCALIZED ALOPECIA: LIMBS	
17702		NO ADVERSE FINDINGS	
17704		NO ADVERSE FINDINGS	
17707	DG(3- 21) DL(1- 5)	LOCALIZED ALOPECIA: LIMBS LOCALIZED ALOPECIA: LIMBS	
17708	DL(5- 6)	LOCALIZED ALOPECIA: LIMBS a	
17710		NO ADVERSE FINDINGS	

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C27 (PAGE 3): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP III	MIDDLE DOSAGE	50 MG/KG/DAY
RAT #	DESCRIPTION	
17661	DG(20- 21)	CHROMODACRYORRHEA
17667		NO ADVERSE FINDINGS
17669	DG(18- 21)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 6)	LOCALIZED ALOPECIA: LIMBS a
17670	DS(16)	URINE-STAINED ABDOMINAL FUR
17676		NO ADVERSE FINDINGS
17687	DS(3- 13)	RIGHT EYE: CORNEAL OPACITY
	DS(15- 16)	RIGHT EYE: CORNEAL OPACITY
17693		NO ADVERSE FINDINGS
17697		NO ADVERSE FINDINGS
17700		NO ADVERSE FINDINGS
17701		NO ADVERSE FINDINGS
17705		NO ADVERSE FINDINGS
17706		NO ADVERSE FINDINGS
17709	DS(17- 27)	LOCALIZED ALOPECIA: LIMBS
	DG(0- 21)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 6)	LOCALIZED ALOPECIA: LIMBS a
17718		NO ADVERSE FINDINGS
17720	DS(16)	URINE-STAINED ABDOMINAL FUR

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
a. Observation confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C27 (PAGE 4): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP IV	HIGH DOSAGE	250 MG/KG/DAY
RAT #	DESCRIPTION	
17664	DS(21- 28) DS(50)	INCISORS: MISSING/BROKEN RED, SLIGHT PERIORAL SUBSTANCE
17677	DS(16- 18) DG(0- 2)	URINE-STAINED ABDOMINAL FUR URINE-STAINED ABDOMINAL FUR
17678	DS(17) DG(1) DG(13) DG(20)	RED, SLIGHT PERIORAL SUBSTANCE EXCESS SALIVATION RED, SLIGHT PERIORAL SUBSTANCE EXCESS SALIVATION
17682	DS(23- 25) DG(3) DG(15)	EXCESS SALIVATION RED, SLIGHT PERIORAL SUBSTANCE RED, SLIGHT PERIORAL SUBSTANCE
17683	DG(5- 21) DG(18- 21) DL(1- 6) DL(1- 6)	LOCALIZED ALOPECIA: LIMBS LOCALIZED ALOPECIA: UNDERSIDE LOCALIZED ALOPECIA: LIMBS a LOCALIZED ALOPECIA: UNDERSIDE a
17685	DS(12) DS(14- 15) DG(0- 7) DG(13- 16) DG(19- 20) DL(1) DL(3) DL(5)	EXCESS SALIVATION EXCESS SALIVATION EXCESS SALIVATION EXCESS SALIVATION EXCESS SALIVATION EXCESS SALIVATION EXCESS SALIVATION EXCESS SALIVATION
17686	DS(15) DG(0) DG(3) DG(6) DG(7- 14) DG(8- 9) DG(15) DG(16) DG(20- 22) DG(21)	RED, SLIGHT PERIORAL SUBSTANCE RED, SLIGHT PERIORAL SUBSTANCE URINE-STAINED ABDOMINAL FUR RED, SLIGHT PERIORAL SUBSTANCE URINE-STAINED ABDOMINAL FUR RED, SLIGHT PERIORAL SUBSTANCE RED, SLIGHT PERIORAL SUBSTANCE EXCESS SALIVATION LOCALIZED ALOPECIA: HEAD EXCESS SALIVATION

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION
 a. Observation confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C27 (PAGE 5): CLINICAL OBSERVATIONS - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP IV	HIGH DOSAGE	250 MG/KG/DAY
RAT #	DESCRIPTION	
17689	NO ADVERSE FINDINGS	
17691	DS(3)	CHROMODACRYORRHEA
	DG(11)	EXCESS SALIVATION
17692	DG(3)	RED, SLIGHT PERIORAL SUBSTANCE
	DG(7)	RED, SLIGHT PERIORAL SUBSTANCE
17696	DS(13)	EXCESS SALIVATION
	DG(1)	RED, SLIGHT PERIORAL SUBSTANCE
	DG(5)	EXCESS SALIVATION
	DG(9)	EXCESS SALIVATION
	DG(13)	EXCESS SALIVATION
	DG(16)	EXCESS SALIVATION
	DL(2)	SACRIFICED DUE TO NO SURVIVING PUPS
17699	NO ADVERSE FINDINGS	
17711	DS(14)	RED, SLIGHT PERIORAL SUBSTANCE
	DG(0)	RED, SLIGHT PERIORAL SUBSTANCE
	DG(4)	RED, SLIGHT PERIORAL SUBSTANCE
	DG(6)	RED, SLIGHT PERIORAL SUBSTANCE
	DG(9)	RED, SLIGHT PERIORAL SUBSTANCE
	DG(14)	RED PERIVAGINAL SUBSTANCE
	DG(15)	RED, MODERATE PERIORAL SUBSTANCE
	DG(17)	EXCESS SALIVATION
	DL(1)	DEHYDRATION a
	DL(2)	SACRIFICED DUE TO NO SURVIVING PUPS
17712	DS(3- 15)	TAIL BENT
	DS(15)	RED, SLIGHT PERIORAL SUBSTANCE
	DG(0- 21)	TAIL BENT
	DG(1- 21)	LOCALIZED ALOPECIA: LIMBS
	DG(14)	EXCESS SALIVATION
	DL(1)	EXCESS SALIVATION
	DL(1)	LOCALIZED ALOPECIA: LIMBS
	DL(1- 6)	TAIL BENT a
17714	DS(17)	RED, SLIGHT PERIORAL SUBSTANCE

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION

a. Observation confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C28 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSES ADMINISTERED	OBSERVATIONS a
I					
0 (VEHICLE)	17662	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17672	DL 6	P	45	ALL TISSUES APPEARED NORMAL.
	17673	DL 6	P	42	ALL TISSUES APPEARED NORMAL.
	17674	DL 6	P	42	ALL TISSUES APPEARED NORMAL.
	17680	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17681	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17690	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17694	DL 6	P	42	ALL TISSUES APPEARED NORMAL.
	17695	DL 6	P	41	ALL TISSUES APPEARED NORMAL.
	17703	DL 6	P	42	ALL TISSUES APPEARED NORMAL.
	17713	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17715	DL 6	P	45	ALL TISSUES APPEARED NORMAL.
	17716	DL 6	P	45	ALL TISSUES APPEARED NORMAL.
	17717	DL 6	P	42	ALL TISSUES APPEARED NORMAL.
	17719	DL 6	P	49	ALL TISSUES APPEARED NORMAL.
II					
10	17663	DG 25	NP	42	ALL TISSUES APPEARED NORMAL.
	17665	DL 6	P	43	ALL TISSUES APPEARED NORMAL.
	17666	DL 6	P	42	ALL TISSUES APPEARED NORMAL.
	17668	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17671	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17675	DL 6	P	43	ALL TISSUES APPEARED NORMAL.
	17679	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17684	DL 6	P	45	ALL TISSUES APPEARED NORMAL.
	17688	DL 6	P	43	ALL TISSUES APPEARED NORMAL.
	17698	DL 6	P	43	ALL TISSUES APPEARED NORMAL.
	17702	DL 6	P	42	ALL TISSUES APPEARED NORMAL.
	17704	DL 6	P	43	ALL TISSUES APPEARED NORMAL.
	17707	DL 6	P	45	ALL TISSUES APPEARED NORMAL.
	17708	DL 6	P	42	ALL TISSUES APPEARED NORMAL.
	17710	DL 6	P	45	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION

P = PREGNANT NP = NOT PREGNANT

a. Refer to the individual clinical observations table (Table C27) for external observations confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C28 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSES ADMINISTERED	OBSERVATIONS a
III 50	17661	DL 6	P	43	ALL TISSUES APPEARED NORMAL.
	17667	DL 6	P	43	ALL TISSUES APPEARED NORMAL.
	17669	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17670	DL 6	P	45	ALL TISSUES APPEARED NORMAL.
	17676	DL 6	P	43	ALL TISSUES APPEARED NORMAL.
	17687	DL 6	P	45	ALL TISSUES APPEARED NORMAL.
	17693	DL 6	P	42	ALL TISSUES APPEARED NORMAL.
	17697	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17700	DL 6	P	43	ALL TISSUES APPEARED NORMAL.
	17701	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17705	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17706	DL 6	P	45	KIDNEYS: RIGHT, ABSENT. ALL OTHER TISSUES APPEARED NORMAL.
IV 250	17709	DL 6	P	53	ALL TISSUES APPEARED NORMAL.
	17718	DL 6	P	53	ALL TISSUES APPEARED NORMAL.
	17720	DL 6	P	45	ALL TISSUES APPEARED NORMAL.
IV 250	17664	DS 54	NP	53	ALL TISSUES APPEARED NORMAL.
	17677	DL 6	P	46	ALL TISSUES APPEARED NORMAL.
	17678	DL 6	P	45	ALL TISSUES APPEARED NORMAL.
	17682	DL 6	P	53	ALL TISSUES APPEARED NORMAL.
	17683	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17685	DL 6	P	42	ALL TISSUES APPEARED NORMAL.
	17686	DG 25	NP	40	ALL TISSUES APPEARED NORMAL.
	17689	DL 6	P	41	ALL TISSUES APPEARED NORMAL.
	17691	DL 6	P	45	ALL TISSUES APPEARED NORMAL.
	17692	DL 6	P	42	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION

P = PREGNANT NP = NOT PREGNANT

a. Refer to the individual clinical observations table (Table C27) for external observations confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C28 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP DOSAGE (MG/KG/DAY)	RAT NUMBER	DAY OF NECROPSY	PREGNANCY STATUS	DOSES ADMINISTERED	OBSERVATIONS a
IV 250 cont.	17696	DL 2	P	39	SACRIFICED DUE TO NO SURVIVING PUPS ON DAY 2 OF LACTATION. THYMUS: SMALL. ALL OTHER TISSUES APPEARED NORMAL.
	17699	DL 6	P	44	ALL TISSUES APPEARED NORMAL.
	17711	DL 2	P	39	SACRIFICED DUE TO NO SURVIVING PUPS ON DAY 2 OF LACTATION. ALL TISSUES APPEARED NORMAL.
	17712	DL 6	P	42	ALL TISSUES APPEARED NORMAL.
	17714	DL 6	P	44	ALL TISSUES APPEARED NORMAL.

DS = DAY OF STUDY DG = DAY OF PRESUMED GESTATION DL = DAY OF LACTATION

P = PREGNANT NP = NOT PREGNANT

a. Refer to the individual clinical observations table (Table C27) for external observations confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C29 (PAGE 1): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP I		VEHICLE										0 (VEHICLE) MG/KG/DAY			
RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN		LIVER		KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT			
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW a		
17662 P	303.			9.58	3.16										
17672 P	319.			12.34	3.87										
17673 P	271.			10.17	3.75										
17674 P	282.			10.10	3.58										
17680 P	303.			11.66	3.85										
17681 P	303.	2.04	0.67	11.10	3.66	1.13	0.37	1.19	0.39	0.034	11.22	0.034	11.22		
17690 P	345.	2.27	0.66	12.40	3.59	1.28	0.37	1.31	0.38	0.047	13.62	0.047	13.62		
17694 P	291.	2.28	0.78	11.10	3.81	1.21	0.42	1.33	0.46	0.041	14.09	0.042	14.43		
17695 P	271.	2.16	0.80	10.63	3.92	1.08	0.40	1.00	0.37	0.039	14.39	0.033	12.18		
17703 P	339.	2.27	0.67	13.19	3.89	1.51	0.44	1.43	0.42	0.042	12.39	0.044	12.98		
17713 P	292.	2.26	0.77	9.91	3.39	1.03	0.35	1.03	0.35	0.037	12.67	0.034	11.64		
17715 P	328.	2.22	0.68	11.72	3.57	1.24	0.38	1.17	0.36	0.041	12.50	0.041	12.50		
17716 P	298.	2.15	0.72	13.55	4.55	1.19	0.40	1.21	0.41	0.044	14.76	0.042	14.09		
17717 P	274.	2.15	0.78	9.57	3.49	1.15	0.42	1.15	0.42	0.049	17.88	0.054	19.71		
17719 P	268.	2.16	0.80	11.30	4.22	1.14	0.42	1.17	0.44	0.044	16.42	0.041	15.30		

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

a. Value was multiplied by 1000.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C29 (PAGE 2): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP I		VEHICLE				0 (VEHICLE) MG/KG/DAY							
RAT NUMBER	TERMINAL BODY WEIGHT	SPLEEN		THYMUS		OVARY LEFT		OVARY RIGHT		UTERUS WITH CERVIX		HEART	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
17662 P	303.					0.089	29.37	0.075	24.75	0.71	0.23		
17672 P	319.					0.070	21.94	0.080	25.08	0.82	0.26		
17673 P	271.					0.098	36.16	0.068	25.09	0.71	0.26		
17674 P	282.					0.067	23.76	0.095	33.69	0.77	0.27		
17680 P	303.					0.068	22.44	0.081	26.73	0.93	0.31		
17681 P	303.	0.76	0.25	0.33	0.11	0.080	26.40	0.096	31.68	0.74	0.24	1.04	0.34
17690 P	345.	0.70	0.20	0.38	0.11	0.094	27.25	0.078	22.61	0.84	0.24	1.17	0.34
17694 P	291.	0.66	0.23	0.23	0.08	0.081	27.84	0.070	24.05	0.77	0.26	1.11	0.38
17695 P	271.	0.70	0.26	0.24	0.09	0.103	38.01	0.090	33.21	0.96	0.35	0.94	0.35
17703 P	339.	0.79	0.23	0.37	0.11	0.111	32.74	0.113	33.33	0.95	0.28	1.25	0.37
17713 P	292.	0.65	0.22	0.31	0.11	0.044	15.07	0.057	19.52	0.74	0.25	1.02	0.35
17715 P	328.	0.76	0.23	0.25	0.08	0.066	20.12	0.096	29.27	0.98	0.30	1.24	0.38
17716 P	298.	0.70	0.23	0.20	0.07	0.080	26.84	0.071	23.82	0.68	0.23	1.00	0.34
17717 P	274.	0.73	0.27	0.27	0.10	0.068	24.82	0.071	25.91	0.62	0.23	1.08	0.39
17719 P	268.	0.59	0.22	0.15	0.06	0.083	30.97	0.079	29.48	0.77b	0.29	0.99	0.37

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.
P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

a. Value was multiplied by 1000.

b. Damaged during processing (weight not affected).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C29 (PAGE 3): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP II				LOW DOSAGE				10 MG/KG/DAY					
RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN		LIVER		KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW a
17663	NP	267.			7.49	2.80							
17665	P	308.			10.81	3.51							
17666	P	289.			12.16	4.21							
17668	P	299.			10.54	3.52							
17671	P	256.			8.16	3.19							
17675	P	297.	2.18	0.73	12.27	4.13	1.31	0.44	1.34	0.45	0.044	14.81	0.039
17679	P	295.	2.13	0.72	11.54	3.91	1.35	0.46	1.30	0.44	0.037	12.54	0.036
17684	P	317.	2.15	0.68	12.17	3.84	1.30	0.41	1.37	0.43	0.042	13.25	0.042
17688	P	311.	2.21	0.71	11.60	3.73	1.02	0.33	1.20	0.38	0.054	17.36	0.049
17698	P	299.	2.24	0.75	11.43	3.82	1.38	0.46	1.41	0.47	0.047	15.72	0.036
17702	P	307.	2.05	0.67	11.83	3.85	1.14	0.37	1.23	0.40	0.041	13.36	0.040
17704	P	327.	2.26	0.69	13.36	4.08	1.41	0.43	1.41	0.43	0.049	14.98	0.049
17707	P	296.	2.18	0.74	11.40	3.85	1.15	0.39	1.10	0.37	0.047	15.88	0.045
17708	P	328.	2.29	0.70	14.27	4.35	1.49	0.45	1.35	0.41	0.039	11.89	0.042
17710	P	327.	2.20	0.67	13.78	4.21	1.39	0.42	1.40	0.43	0.063	19.27	0.056

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.
P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)
a. Value was multiplied by 1000.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C29 (PAGE 4): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP II				LOW DOSAGE				10 MG/KG/DAY							
RAT NUMBER	TERMINAL BODY WEIGHT	SPLEEN		THYMUS		OVARY LEFT		OVARY RIGHT		UTERUS WITH CERVIX		HEART			
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
17663	NP	267.				0.053	19.85	0.062	23.22	0.48	0.18				
17665	P	308.				0.078	25.32	0.094	30.52	0.62	0.20				
17666	P	289.				0.067	23.18	0.076	26.30	0.91	0.31				
17668	P	299.				0.082	27.42	0.073	24.41	0.80	0.27				
17671	P	256.				0.073	28.52	0.053	20.70	0.74	0.29				
17675	P	297.	0.75	0.25	0.36	0.12	0.078	26.26	0.086	28.96	0.89	0.30	1.13	0.38	
17679	P	295.	0.55	0.19	0.29	0.10	0.063	21.36	0.071	24.07	0.71	0.24	1.00	0.34	
17684	P	317.	0.74	0.23	0.36	0.11	0.080	25.24	0.090	28.39	0.84	0.26	1.19	0.38	
17688	P	311.	0.64	0.20	0.26	0.08	0.090	28.94	0.086	27.65	0.76	0.24	1.23	0.40	
17698	P	299.	0.66	0.22	0.30	0.10	0.110	36.79	0.092	30.77	0.70	0.23	1.26	0.42	
17702	P	307.	0.71	0.23	0.29	0.09	0.071	23.13	0.082	26.71	0.92	0.30	1.16	0.38	
17704	P	327.	0.98	0.30	0.37	0.11	0.074	22.63	0.100	30.58	0.95	0.29	1.18	0.36	
17707	P	296.	0.60	0.20	0.29	0.10	0.077	26.01	0.086	29.05	0.66	0.22	1.08	0.34	
17708	P	328.	0.82	0.25	0.50	0.15	0.069	21.04	0.072	21.95	0.78	0.24	1.10	0.34	
17710	P	327.	0.95	0.29	0.36	0.11	0.091	27.83	0.097	29.66	0.75	0.23	1.16	0.35	

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

a. Value was multiplied by 1000.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C29 (PAGE 5): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP III				MIDDLE DOSAGE				50 MG/KG/DAY					
RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN		LIVER		KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW a
17661 P	280.			10.84	3.87								
17667 P	311.			13.45	4.32								
17669 P	296.			10.92	3.69								
17670 P	268.			10.80	4.03								
17676 P	265.			9.21	3.48								
17687 P	337.	2.13	0.63	13.22	3.92	1.25	0.37	1.33	0.39	0.045	13.35	0.042	12.46
17693 P	274.	2.15	0.78	10.76	3.93	1.05	0.38	1.16	0.42	0.033	12.04	0.033	12.04
17697 P	268.	2.17	0.81	10.23	3.82	1.11	0.41	1.10	0.41	0.030	11.19	0.026	9.70
17700 P	310.	2.13	0.69	10.96	3.54	1.35	0.44	1.46	0.47	0.043	13.87	0.043	13.87
17701 P	311.	2.26	0.73	12.74	4.10	1.12	0.36	1.19	0.38	0.047	15.11	0.042	13.50
17705 P	330.	2.11	0.64	12.94	3.92	1.19	0.36	1.19	0.36	0.053	16.06	0.047	14.24
17706 P	315.	2.22	0.70	12.79	4.06	2.15	0.68	b	b	0.043	13.65	0.039	12.38
17709 P	262.	2.13	0.81	11.06	4.22	1.12	0.43	1.12	0.43	0.031	11.83	0.029	11.07
17718 P	295.	2.27	0.77	12.17	4.12	1.46	0.49	1.45	0.49	0.038	12.88	0.029	9.83
17720 P	318.	2.29	0.72	12.75	4.01	1.28	0.40	1.41	0.44	0.047	14.78	0.050	15.72

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

a. Value was multiplied by 1000.

b. Dam 17706 had an absent right kidney. See the individual necropsy observations table (Table C28).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C29 (PAGE 6): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP III		MIDDLE DOSAGE				50 MG/KG/DAY							
RAT NUMBER	TERMINAL BODY WEIGHT	SPLEEN		THYMUS		OVARY LEFT		OVARY RIGHT		UTERUS WITH CERVIX		HEART	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
17661 P	280.					0.073	26.07	0.088	31.43	0.63	0.22		
17667 P	311.					0.067	21.54	0.097	31.19	0.94b	0.30		
17669 P	296.					0.072	24.32	0.080	27.03	0.89	0.30		
17670 P	268.					0.078	29.10	0.054	20.15	0.67	0.25		
17676 P	265.					0.060	22.64	0.072	27.17	0.67	0.25		
17687 P	337.	0.78	0.23	0.37	0.11	0.101	29.97	0.101	29.97	0.74	0.22	1.05	0.31
17693 P	274.	0.79	0.29	0.18	0.06	0.062	22.63	0.081	29.56	0.72b	0.26	0.99	0.36
17697 P	268.	0.66	0.25	0.19	0.07	0.071	26.49	0.093	34.70	0.85	0.32	0.98	0.36
17700 P	310.	0.62	0.20	0.35	0.11	0.082	26.45	0.077	24.84	0.82	0.26	1.12	0.36
17701 P	311.	0.74	0.24	0.32	0.10	0.072	23.15	0.064	20.58	0.86	0.28	1.17	0.38
17705 P	330.	0.73	0.22	0.27	0.08	0.097	29.39	0.075	22.73	0.83	0.25	1.38	0.42
17706 P	315.	0.84	0.27	0.31	0.10	0.108	34.28	0.111	35.24	0.82	0.26	1.11	0.35
17709 P	262.	0.90	0.34	0.31	0.12	0.066	25.19	0.090	34.35	0.72	0.27	0.91	0.35
17718 P	295.	0.92	0.31	0.23	0.08	0.082	27.80	0.074	25.08	0.76	0.26	1.28	0.43
17720 P	318.	0.65	0.20	0.35	0.11	0.093	29.24	0.097	30.50	0.76	0.24	1.10	0.34

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100. P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

a. Value was multiplied by 1000.

b. Damaged during processing (weight not affected).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C29 (PAGE 7): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP IV		HIGH DOSAGE						250 MG/KG/DAY					
RAT NUMBER	TERMINAL BODY WEIGHT	BRAIN		LIVER		KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW a
17664	NP	---	---	11.51	---	---	---	---	---	---	---	---	---
17677	P	287.		13.06	4.55								
17678	P	293.	2.23	0.76	13.68	4.67	1.23	0.42	1.25	0.43	0.050	17.06	0.038
17682	P	300.		14.07	4.69								
17683	P	259.	2.19	0.84	12.48	4.82	1.17	0.45	1.28	0.49	0.054	20.85	0.048
17685	P	277.	2.31b	0.83	13.29	4.80	1.37	0.49	1.40	0.50	0.043	15.52	0.034
17686	NP	284.	2.10	0.74	12.31	4.33	1.30	0.46	1.31	0.46	0.037	13.03	0.036
17689	P	285.	2.27	0.80	14.32	5.02	1.30	0.46	1.27	0.44	0.045	15.79	0.043
17691	P	286.	2.02	0.71	11.62	4.06	1.12	0.39	1.21	0.42	0.037	12.94	0.036
17692	P	277.	2.17	0.78	13.67	4.94	1.22	0.44	1.21	0.44	0.031	11.19	0.033
17696	P c	---	2.17	---	14.77	----	1.28	----	1.24	----	0.053	----	0.041
17699	P	283.	2.18	0.77	14.51	5.13	1.30	0.46	1.40	0.49	0.055	19.43	0.050
17711	P c	---	2.10	---	12.56	----	1.38	----	1.38	----	0.059	----	0.052
17712	P	292.	2.19	0.75	14.14	4.84	1.21	0.41	1.22	0.42	0.041	14.04	0.039
17714	P	294.	2.22	0.76	14.33	4.87	1.16	0.39	1.22	0.41	0.049	16.67	0.042

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

a. Value was multiplied by 1000.

b. Damaged during processing (weight not affected).

c. Dam was sacrificed due to no surviving pups on day 2 of lactation; values excluded from group averages and statistical analyses.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C29 (PAGE 8): TERMINAL BODY WEIGHTS AND ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO TERMINAL BODY WEIGHT - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP IV		HIGH DOSAGE						250 MG/KG/DAY					
RAT NUMBER	TERMINAL BODY WEIGHT	SPLEEN		THYMUS		OVARY LEFT		OVARY RIGHT		UTERUS WITH CERVIX		HEART	
		ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW a	ABS. WT.	REL. % TBW	ABS. WT.	REL. % TBW
17664	NP	---	----	---	---	0.068	----	0.081	----	0.51b	----	----	----
17677	P	287.				0.072	25.09	0.083	28.92	0.68	0.24		
17678	P	293.	0.81	0.28	0.30	0.10	0.074	25.26	0.100	34.13	0.76	0.26	1.21
17682	P	300.				0.092	30.67	0.086	28.67	0.58	0.19		
17683	P	259.	0.60	0.23	0.23	0.09	0.074	28.57	0.074	28.57	0.68	0.26	0.90
17685	P	277.	0.54	0.19	0.20	0.07	0.079	28.52	0.072	25.99	0.70	0.25	0.94
17686	NP	284.	0.48	0.17	0.43	0.15	0.058	20.42	0.053	18.66	0.42	0.15	1.09
17689	P	285.	0.70	0.24	0.19	0.07	0.072	25.26	0.066	23.16	0.82	0.29	0.99
17691	P	286.	0.54	0.19	0.29	0.10	0.066	23.08	0.074	25.87	0.67	0.23	0.94
17692	P	277.	0.66	0.24	0.15	0.05	0.057	20.58	0.076	27.44	0.71	0.26	0.84
17696	P c	---	0.49	----	0.06d	----	0.070	----	0.083	----	1.71	----	0.85
17699	P	283.	0.67	0.24	0.23	0.08	0.090	31.80	0.102	36.04	0.64	0.23	1.00
17711	P c	---	0.39	----	0.23	----	0.062	----	0.086	----	2.15	----	1.04
17712	P	292.	0.69	0.24	0.20	0.07	0.088	30.14	0.095	32.53	0.77	0.26	1.18
17714	P	294.	0.56	0.19	0.15	0.05	0.076	25.85	0.057	19.39	0.71	0.24	1.05

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/TERMINAL BODY WEIGHT) X 100.
P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

- a. Value was multiplied by 1000.
- b. Damaged during processing (weight not affected).
- c. Dam was sacrificed due to no surviving pups on day 2 of lactation; values excluded from group averages and statistical analyses.
- d. Dam 17696 had a small thymus. See the individual necropsy observations table (Table C28).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C30 (PAGE 1): ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP I		VEHICLE										0 (VEHICLE) MG/KG/DAY			
RAT NUMBER	BRAIN WEIGHT	LIVER		KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT		SPLEEN			
		ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.	WT.	% BRW
17681	P 2.04	11.10	544.12	1.13	55.39	1.19	58.33	0.034	1.67	0.034	1.67	0.76	37.25		
17690	P 2.27	12.40	546.26	1.28	56.39	1.31	57.71	0.047	2.07	0.047	2.07	0.70	30.84		
17694	P 2.28	11.10	486.84	1.21	53.07	1.33	58.33	0.041	1.80	0.042	1.84	0.66	28.95		
17695	P 2.16	10.63	492.13	1.08	50.00	1.00	46.30	0.039	1.80	0.033	1.53	0.70	32.41		
17703	P 2.27	13.19	581.06	1.51	66.52	1.43	63.00	0.042	1.85	0.044	1.94	0.79	34.80		
17713	P 2.26	9.91	438.50	1.03	45.58	1.03	45.58	0.037	1.64	0.034	1.50	0.65	28.76		
17715	P 2.22	11.72	527.93	1.24	55.86	1.17	52.70	0.041	1.85	0.041	1.85	0.76	34.23		
17716	P 2.15	13.55	630.23	1.19	55.35	1.21	56.28	0.044	2.05	0.042	1.95	0.70	32.56		
17717	P 2.15	9.57	445.12	1.15	53.49	1.15	53.49	0.049	2.28	0.054	2.51	0.73	33.95		
17719	P 2.16	11.30	523.15	1.14	52.78	1.17	54.17	0.044	2.04	0.041	1.90	0.59	27.31		
THYMUS		OVARY		OVARY		UTERUS		HEART							
RAT NUMBER	BRAIN WEIGHT	LEFT		RIGHT		WITH CERVIX									
		ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.	WT.	% BRW
17681	P 2.04	0.33	16.18	0.080	3.92	0.096	4.70	0.74	36.27	1.04	50.98				
17690	P 2.27	0.38	16.74	0.094	4.14	0.078	3.44	0.84	37.00	1.17	51.54				
17694	P 2.28	0.23	10.09	0.081	3.55	0.070	3.07	0.77	33.77	1.11	48.68				
17695	P 2.16	0.24	11.11	0.103	4.77	0.090	4.17	0.96	44.44	0.94	43.52				
17703	P 2.27	0.37	16.30	0.111	4.89	0.113	4.98	0.95	41.85	1.25	55.07				
17713	P 2.26	0.31	13.72	0.044	1.95	0.057	2.52	0.74	32.74	1.02	45.13				
17715	P 2.22	0.25	11.26	0.066	2.97	0.096	4.32	0.98	44.14	1.24	55.86				
17716	P 2.15	0.20	9.30	0.080	3.72	0.071	3.30	0.68	31.63	1.00	46.51				
17717	P 2.15	0.27	12.56	0.068	3.16	0.071	3.30	0.62	28.84	1.08	50.23				
17719	P 2.16	0.15	6.94	0.083	3.84	0.079	3.66	0.77a	35.65	0.99	45.83				

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

a. Damaged during processing (weight not affected).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C30 (PAGE 2): ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP II				LOW DOSAGE				10 MG/KG/DAY						
RAT NUMBER	BRAIN WEIGHT	LIVER		KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT				
		ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW			
17675	P	2.18	12.27	562.84	1.31	60.09	1.34	61.47	0.044	2.02	0.039	1.79	0.75	34.40
17679	P	2.13	11.54	541.78	1.35	63.38	1.30	61.03	0.037	1.74	0.036	1.69	0.55	25.82
17684	P	2.15	12.17	566.05	1.30	60.46	1.37	63.72	0.042	1.95	0.042	1.95	0.74	34.42
17688	P	2.21	11.60	524.89	1.02	46.15	1.20	54.30	0.054	2.44	0.049	2.22	0.64	28.96
17698	P	2.24	11.43	510.27	1.38	61.61	1.41	62.95	0.047	2.10	0.036	1.61	0.66	29.46
17702	P	2.05	11.83	577.07	1.14	55.61	1.23	60.00	0.041	2.00	0.040	1.95	0.71	34.63
17704	P	2.26	13.36	591.15	1.41	62.39	1.41	62.39	0.049	2.17	0.049	2.17	0.98	43.36
17707	P	2.18	11.40	522.94	1.15	52.75	1.10	50.46	0.047	2.16	0.045	2.06	0.60	27.52
17708	P	2.29	14.27	623.14	1.49	65.06	1.35	58.95	0.039	1.70	0.042	1.83	0.82	35.81
17710	P	2.20	13.78	626.36	1.39	63.18	1.40	63.64	0.063	2.86	0.056	2.54	0.95	43.18
THYMUS				OVARY LEFT		OVARY RIGHT		UTERUS WITH CERVIX		HEART				
RAT NUMBER	BRAIN WEIGHT	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW			
17675	P	2.18	0.36	16.51	0.078	3.58	0.086	3.94	0.89	40.82	1.13	51.83		
17679	P	2.13	0.29	13.62	0.063	2.96	0.071	3.33	0.71	33.33	1.00	46.95		
17684	P	2.15	0.36	16.74	0.080	3.72	0.090	4.19	0.84	39.07	1.19	55.35		
17688	P	2.21	0.26	11.76	0.090	4.07	0.086	3.89	0.76	34.39	1.23	55.66		
17698	P	2.24	0.30	13.39	0.110	4.91	0.092	4.11	0.70	31.25	1.26	56.25		
17702	P	2.05	0.29	14.15	0.071	3.46	0.082	4.00	0.92	44.88	1.16	56.58		
17704	P	2.26	0.37	16.37	0.074	3.27	0.100	4.42	0.95	42.04	1.18	52.21		
17707	P	2.18	0.29	13.30	0.077	3.53	0.086	3.94	0.66	30.28	1.08	49.54		
17708	P	2.29	0.50	21.83	0.069	3.01	0.072	3.14	0.78	34.06	1.10	48.03		
17710	P	2.20	0.36	16.36	0.091	4.14	0.097	4.41	0.75	34.09	1.16	52.73		

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.
P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C30 (PAGE 3): ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP III				MIDDLE DOSAGE				50 MG/KG/DAY			
RAT NUMBER	BRAIN WEIGHT	LIVER		KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT	
		ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW
17687	P 2.13	13.22	620.66	1.25	58.68	1.33	62.44	0.045	2.11	0.042	1.97
17693	P 2.15	10.76	500.46	1.05	48.84	1.16	53.95	0.033	1.53	0.033	1.53
17697	P 2.17	10.23	471.43	1.11	51.15	1.10	50.69	0.030	1.38	0.026	1.20
17700	P 2.13	10.96	514.55	1.35	63.38	1.46	68.54	0.043	2.02	0.043	2.02
17701	P 2.26	12.74	563.72	1.12	49.56	1.19	52.65	0.047	2.08	0.042	1.86
17705	P 2.11	12.94	613.27	1.19	56.40	1.19	56.40	0.053	2.51	0.047	2.23
17706	P 2.22	12.79	576.13	2.15	96.85	a	a	0.043	1.94	0.039	1.76
17709	P 2.13	11.06	519.25	1.12	52.58	1.12	52.58	0.031	1.46	0.029	1.36
17718	P 2.27	12.17	536.12	1.46	64.32	1.45	63.88	0.038	1.67	0.029	1.28
17720	P 2.29	12.75	556.77	1.28	55.90	1.41	61.57	0.047	2.05	0.050	2.18
<hr/>											
RAT NUMBER	BRAIN WEIGHT	THYMUS		OVARY LEFT		OVARY RIGHT		UTERUS WITH CERVIX		HEART	
		ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW	ABS. WT.	REL. % BRW
17687	P 2.13	0.37	17.37	0.101	4.74	0.101	4.74	0.74	34.74	1.05	49.30
17693	P 2.15	0.18	8.37	0.062	2.88	0.081	3.77	0.72b	33.49	0.99	46.05
17697	P 2.17	0.19	8.76	0.071	3.27	0.093	4.28	0.85	39.17	0.98	45.16
17700	P 2.13	0.35	16.43	0.082	3.85	0.077	3.62	0.82	38.50	1.12	52.58
17701	P 2.26	0.32	14.16	0.072	3.18	0.064	2.83	0.86	38.05	1.17	51.77
17705	P 2.11	0.27	12.80	0.097	4.60	0.075	3.55	0.83	39.34	1.38	65.40
17706	P 2.22	0.31	13.96	0.108	4.86	0.111	5.00	0.82	36.94	1.11	50.00
17709	P 2.13	0.31	14.55	0.066	3.10	0.090	4.22	0.72	33.80	0.91	42.72
17718	P 2.27	0.23	10.13	0.082	3.61	0.074	3.26	0.76	33.48	1.28	56.39
17720	P 2.29	0.35	15.28	0.093	4.06	0.097	4.24	0.76	33.19	1.10	48.03

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

a. Dam 17706 had an absent right kidney. See the individual necropsy observations table (Table C28).

b. Damaged during processing (weight not affected).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C30 (PAGE 4): ORGAN WEIGHTS AND RATIOS (%) OF ORGAN WEIGHT TO BRAIN WEIGHT - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP IV				HIGH DOSAGE				250 MG/KG/DAY			
RAT NUMBER	BRAIN WEIGHT	LIVER		KIDNEY LEFT		KIDNEY RIGHT		ADRENAL LEFT		ADRENAL RIGHT	
		ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.
		WT.	% BRW	WT.	% BRW	WT.	% BRW	WT.	% BRW	WT.	% BRW
17678	P	2.23	13.68	613.45	1.23	55.16	1.25	56.05	0.050	2.24	0.038
17683	P	2.19	12.48	569.86	1.17	53.42	1.28	58.45	0.054	2.46	0.048
17685	P	2.31a	13.29	575.32	1.37	59.31	1.40	60.61	0.043	1.86	0.034
17686	NP	2.10	12.31	586.19	1.30	61.90	1.31	62.38	0.037	1.76	0.036
17689	P	2.27	14.32	630.84	1.30	57.27	1.27	55.95	0.045	1.98	0.043
17691	P	2.02	11.62	575.25	1.12	55.44	1.21	59.90	0.037	1.83	0.036
17692	P	2.17	13.67	629.95	1.22	56.22	1.21	55.76	0.031	1.43	0.033
17696b	P	2.17	14.77	680.64	1.28	58.99	1.24	57.14	0.053	2.44	0.041
17699	P	2.18	14.51	665.60	1.30	59.63	1.40	64.22	0.055	2.52	0.050
17711b	P	2.10	12.56	598.10	1.38	65.71	1.38	65.71	0.059	2.81	0.052
17712	P	2.19	14.14	645.66	1.21	55.25	1.22	55.71	0.041	1.87	0.039
17714	P	2.22	14.33	645.50	1.16	52.25	1.22	54.95	0.049	2.21	0.042
<hr/>											
RAT NUMBER	BRAIN WEIGHT	THYMUS		OVARY LEFT		OVARY RIGHT		UTERUS WITH CERVIX		HEART	
		ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.	ABS.	REL.
		WT.	% BRW	WT.	% BRW	WT.	% BRW	WT.	% BRW	WT.	% BRW
17678	P	2.23	0.30	13.45	0.074	3.32	0.100	4.48	0.76	34.08	1.21
17683	P	2.19	0.23	10.50	0.074	3.38	0.074	3.38	0.68	31.05	0.90
17685	P	2.31a	0.20	8.66	0.079	3.42	0.072	3.12	0.70	30.30	0.94
17686	NP	2.10	0.43	20.48	0.058	2.76	0.053	2.52	0.42	20.00	1.09
17689	P	2.27	0.19	8.37	0.072	3.17	0.066	2.91	0.82	36.12	0.99
17691	P	2.02	0.29	14.36	0.066	3.27	0.074	3.66	0.67	33.17	0.94
17692	P	2.17	0.15	6.91	0.057	2.63	0.076	3.50	0.71	32.72	0.84
17696b	P	2.17	0.06c	2.76	0.070	3.22	0.083	3.82	1.71	78.80	0.85
17699	P	2.18	0.23	10.55	0.090	4.13	0.102	4.68	0.64	29.36	1.00
17711b	P	2.10	0.23	10.95	0.062	2.95	0.086	4.10	2.15	102.38	1.04
17712	P	2.19	0.20	9.13	0.088	4.02	0.095	4.34	0.77	35.16	1.18
17714	P	2.22	0.15	6.76	0.076	3.42	0.057	2.57	0.71	31.98	1.05

ALL WEIGHTS WERE RECORDED IN GRAMS (G). ABS. WT. = ORGAN WEIGHT. REL. % TBW = (ORGAN WEIGHT/BRAIN WEIGHT) X 100.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

a. Damaged during processing (weight not affected).

b. Dam was sacrificed due to no surviving pups on day 2 of lactation; values excluded from group averages and statistical analyses.

c. Dam 17696 had a small thymus. See the individual necropsy observations table (Table C28).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C31 (PAGE 1): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	Dosage Group I					Vehicle					0 (Vehicle) mg/kg/day					
	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15a
17662		222.	221.	229.	231.	234.	234.	238.	241.	243.	239.	246.	247.	249.	247.	252.
17672		237.	241.	240.	243.	254.	250.	253.	262.	266.	264.	267.	276.	279.	279.	275.
17673		225.	225.	224.	229.	232.	234.	228.	239.	237.	241.	236.	238.	245.	247.	246.
17674		229.	230.	237.	240.	242.	243.	251.	254.	261.	264.	261.	270.	271.	277.	270.
17680		222.	220.	229.	232.	233.	229.	235.	245.	246.	243.	247.	251.	256.	250.	257.
17681		239.	235.	242.	245.	244.	247.	252.	257.	253.	256.	260.	262.	265.	263.	267.
17690		224.	226.	234.	237.	242.	242.	248.	258.	253.	261.	262.	262.	269.	271.	275.
17694		226.	226.	230.	232.	237.	243.	245.	243.	249.	251.	253.	251.	257.	264.	265.
17695		216.	220.	227.	224.	226.	231.	237.	234.	233.	241.	244.	239.	244.	254.	250.
17703		240.	238.	248.	248.	256.	252.	260.	268.	266.	266.	273.	279.	283.	278.	292.
17713		230.	229.	239.	239.	240.	237.	245.	252.	249.	249.	253.	257.	252.	254.	260.
17715		237.	238.	247.	249.	246.	247.	258.	259.	261.	262.	270.	273.	271.	269.	274.
17716		221.	222.	224.	227.	227.	229.	231.	233.	238.	235.	233.	240.	242.	242.	244.
17717		224.	227.	232.	229.	234.	240.	246.	250.	256.	262.	260.	264.	270.	270.	271.
17719		216.	217.	221.	219.	219.	224.	228.	228.	227.	230.	233.	238.	238.	234.	237.

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C31 (PAGE 2): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	Dosage Group II					Low Dosage					10 MG/KG/DAY					
	Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15a
17663		221.	220.	224.	222.	229.	223.	235.	235.	237.	237.	240.	243.	246.	247.	247.
17665		234.	232.	238.	244.	242.	238.	245.	250.	247.	247.	251.	256.	256.	257.	262.
17666		223.	226.	233.	234.	240.	244.	248.	248.	256.	259.	259.	259.	263.	269.	268.
17668		224.	225.	231.	235.	233.	233.	236.	240.	241.	240.	244.	247.	248.	246.	252.
17671		215.	215.	222.	222.	224.	220.	224.	236.	230.	226.	231.	235.	235.	232.	235.
17675		233.	236.	238.	238.	238.	241.	246.	250.	248.	256.	254.	253.	253.	259.	260.
17679		221.	225.	231.	234.	236.	236.	240.	249.	246.	248.	254.	257.	257.	260.	262.
17684		228.	234.	236.	239.	243.	245.	247.	251.	259.	260.	261.	264.	266.	268.	264.
17688		225.	226.	229.	232.	234.	235.	240.	246.	246.	250.	255.	258.	256.	261.	265.
17698		237.	230.	239.	246.	246.	242.	250.	258.	258.	255.	262.	264.	267.	266.	272.
17702		223.	230.	227.	233.	240.	246.	244.	250.	263.	263.	254.	259.	270.	269.	261.
17704		233.	232.	236.	240.	246.	248.	250.	255.	261.	268.	271.	267.	273.	278.	280.
17707		218.	224.	220.	226.	227.	230.	232.	237.	235.	234.	236.	238.	243.	242.	245.
17708		239.	238.	245.	252.	254.	254.	260.	266.	270.	272.	271.	278.	283.	286.	285.
17710		236.	238.	239.	249.	246.	251.	256.	261.	264.	265.	265.	272.	280.	278.	276.

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C31 (PAGE 3): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

RAT #	DOSAGE GROUP III					MIDDLE DOSAGE					50 MG/KG/DAY					
	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15a
17661		218.	220.	226.	222.	222.	229.	230.	226.	228.	234.	235.	233.	232.	237.	239.
17667		232.	240.	247.	249.	244.	252.	258.	257.	256.	263.	268.	264.	262.	270.	272.
17669		231.	231.	241.	242.	244.	242.	253.	257.	258.	258.	265.	268.	267.	267.	271.
17670		228.	226.	229.	234.	238.	238.	238.	249.	247.	245.	247.	249.	258.	254.	249.
17676		217.	218.	218.	223.	226.	227.	225.	231.	232.	235.	236.	234.	238.	243.	246.
17687		238.	238.	248.	252.	255.	256.	262.	270.	268.	276.	281.	288.	289.	287.	289.
17693		222.	226.	230.	234.	237.	237.	238.	249.	249.	250.	248.	246.	256.	255.	253.
17697		225.	225.	230.	235.	233.	232.	237.	243.	241.	240.	244.	250.	249.	253.	252.
17700		225.	229.	233.	238.	242.	244.	249.	256.	254.	255.	261.	263.	266.	266.	273.
17701		236.	235.	244.	248.	249.	249.	255.	261.	262.	264.	269.	269.	271.	272.	278.
17705		225.	225.	230.	235.	239.	240.	242.	255.	253.	248.	263.	262.	268.	261.	271.
17706		227.	231.	234.	238.	243.	244.	246.	253.	257.	259.	259.	266.	266.	262.	266.
17709		222.	220.	223.	224.	228.	223.	229.	232.	233.	230.	236.	240.	243.	240.	245.
17718		228.	231.	230.	234.	235.	237.	236.	243.	244.	248.	246.	250.	254.	253.	249.
17720		224.	226.	222.	229.	233.	235.	245.	245.	253.	258.	259.	264.	278.	269.	257.

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C31 (PAGE 4): BODY WEIGHTS - PRECOHABITATION - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

RAT #	HIGH DOSAGE														250 MG/KG/DAY				
	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15a			
17664		217.	219.	214.	219.	225.	227.	223.	232.	233.	235.	232.	241.	244.	244.	242.			
17677		236.	239.	244.	240.	249.	255.	257.	256.	251.	263.	264.	273.	271.	270.	268.			
17678		228.	227.	229.	231.	236.	238.	234.	244.	243.	246.	242.	249.	251.	248.	250.			
17682		224.	233.	234.	235.	237.	242.	247.	248.	252.	253.	256.	256.	256.	256.	260.			
17683		222.	220.	226.	226.	228.	226.	228.	234.	233.	236.	240.	241.	240.	241.	243.			
17685		233.	233.	235.	230.	236.	241.	239.	241.	246.	251.	250.	246.	253.	257.	258.			
17686		227.	225.	227.	228.	229.	230.	228.	237.	237.	235.	235.	242.	241.	243.	244.			
17689		226.	226.	229.	235.	238.	238.	241.	247.	248.	250.	252.	256.	256.	256.	260.			
17691		229.	222.	215.	223.	233.	234.	235.	243.	244.	245.	243.	249.	248.	253.	252.			
17692		222.	224.	225.	224.	231.	235.	235.	236.	241.	244.	243.	241.	246.	247.	246.			
17696		218.	219.	218.	225.	228.	225.	223.	232.	233.	236.	234.	236.	241.	235.	234.			
17699		232.	234.	239.	243.	247.	248.	254.	256.	257.	256.	260.	260.	264.	260.	267.			
17711		223.	222.	223.	224.	232.	234.	233.	234.	239.	239.	238.	240.	243.	243.	241.			
17712		227.	228.	221.	228.	234.	237.	226.	234.	238.	239.	236.	235.	243.	244.	246.			
17714		234.	235.	242.	248.	252.	252.	258.	264.	264.	264.	270.	278.	280.	278.	282.			

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C32 (PAGE 1): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP I					VEHICLE					0 (VEHICLE) MG/KG/DAY				
PREGNANCY STATUS	DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	
17662 P	255.	263.	270.	270.	276.	281.	287.	288.	293.	300.	303.	310.	315.		
17672 P	289.	298.	299.	301.	304.	312.	316.	323.	326.	324.	336.	348.	346.		
17673 P	248.	253.	261.	265.	267.	269.	275.	276.	283.	284.	286.	296.	300.		
17674 P	272.	284.	290.	293.	294.	302.	304.	308.	315.	316.	321.	329.	338.		
17680 P	268.	272.	286.	281.	285.	288.	289.	297.	300.	304.	312.	320.	328.		
17681 P	277.	284.	286.	287.	292.	298.	301.	306.	309.	312.	320.	328.	334.		
17690 P	281.	289.	301.	300.	307.	312.	324.	328.	330.	340.	343.	351.	361.		
17694 P	265.	274.	277.	278.	284.	286.	295.	292.	299.	300.	309.	312.	319.		
17695 P	254.	259.	262.	268.	270.	278.	280.	284.	280.	281.	292.	293.	305.		
17703 P	286.	296.	309.	313.	316.	319.	327.	331.	336.	341.	347.	354.	362.		
17713 P	260.	269.	274.	276.	283.	279.	281.	292.	293.	293.	302.	304.	317.		
17715 P	288.	298.	300.	310.	308.	316.	316.	320.	327.	328.	337.	344.	352.		
17716 P	253.	264.	265.	271.	276.	280.	277.	283.	285.	292.	295.	303.	307.		
17717 P	269.	276.	279.	282.	284.	286.	288.	285.	291.	292.	297.	306.	305.		
17719 P	262.	266.	268.	271.	274.	275.	277.	282.	286.	283.	287.	291.	291.		
	DAY	13	14	15	16	17	18	19	20	21	22	23	24	25	
17662 P	316.	323.	329.	342.	354.	367.	380.	392.	406.						
17672 P	354.	360.	372.	380.	394.	408.	424.	442.	464.						
17673 P	304.	308.	316.	326.	336.	351.	364.	380.	393.						
17674 P	341.	352.	360.	371.	385.	407.	429.	453.	461.						
17680 P	332.	341.	352.	360.	377.	397.	412.	438.	458.						
17681 P	334.	346.	348.	358.	370.	391.	403.	414.	427.						
17690 P	371.	380.	386.	400.	413.	440.	454.	476.	512.						
17694 P	325.	338.	344.	354.	367.	383.	399.	417.	437.						
17695 P	299.	307.	319.	332.	341.	362.	372.	380.							
17703 P	370.	387.	389.	400.	419.	439.	448.	477.							
17713 P	318.	331.	333.	345.	355.	376.	380.	392.	413.						
17715 P	360.	364.	373.	377.	392.	410.	423.	444.	469.						
17716 P	313.	316.	327.	337.	352.	361.	379.	392.	410.						
17717 P	310.	318.	324.	332.	339.	357.	367.	381.	387.						
17719 P	300.	304.	309.	321.	335.	354.	375.	393.	415.						

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

DAY = DAY OF PRESUMED GESTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C32 (PAGE 2): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

RAT #	DOSAGE GROUP II	LOW DOSAGE						10 MG/KG/DAY							
		PREGNANCY STATUS	DAY	0	1	2	3	4	5	6	7	8	9	10	11
17663 NP	258.	253.	250.	256.	261.	261.	259.	260.	262.	267.	271.	268.	266.		
17665 P	267.	271.	274.	280.	284.	286.	295.	296.	297.	300.	308.	315.	324.		
17666 P	272.	275.	279.	284.	286.	278.	283.	288.	289.	293.	292.	298.	303.		
17668 P	263.	261.	269.	276.	280.	279.	291.	290.	294.	298.	306.	314.	324.		
17671 P	244.	251.	255.	249.	258.	260.	263.	265.	271.	273.	280.	281.	292.		
17675 P	266.	267.	272.	277.	278.	282.	283.	291.	291.	298.	299.	306.	313.		
17679 P	271.	277.	282.	279.	284.	284.	286.	291.	290.	294.	298.	306.	316.		
17684 P	283.	286.	294.	294.	298.	304.	303.	309.	311.	314.	324.	333.	339.		
17688 P	275.	281.	285.	288.	293.	298.	303.	305.	310.	316.	324.	329.	336.		
17698 P	278.	284.	298.	300.	305.	309.	314.	309.	317.	321.	334.	336.	342.		
17702 P	273.	284.	286.	291.	292.	289.	296.	299.	300.	309.	306.	316.	319.		
17704 P	277.	291.	294.	299.	298.	304.	306.	313.	316.	324.	329.	336.	348.		
17707 P	264.	261.	265.	270.	271.	278.	275.	279.	283.	283.	286.	299.	304.		
17708 P	288.	290.	294.	301.	303.	310.	312.	320.	323.	328.	332.	334.	349.		
17710 P	300.	308.	311.	323.	322.	326.	332.	327.	335.	345.	347.	354.	371.		
DAY		13	14	15	16	17	18	19	20	21	22	23	24	25	
17663 NP	268.	269.	270.	272.	269.	268.	267.	269.	277.	279.	281.	279.	267.		
17665 P	326.	336.	339.	354.	368.	390.	396.	417.	434.						
17666 P	307.	309.	314.	326.	339.	355.	371.	387.	400.						
17668 P	322.	338.	337.	353.	373.	382.	391.	405.	426.						
17671 P	289.	294.	300.	310.	322.	334.	346.	359.	371.						
17675 P	317.	317.	321.	335.	353.	377.	395.	411.	434.						
17679 P	313.	323.	323.	330.	343.	348.	362.	375.	383.						
17684 P	348.	351.	361.	373.	388.	404.	425.	441.	468.						
17688 P	332.	351.	344.	366.	387.	406.	419.	432.							
17698 P	340.	356.	353.	364.	376.	397.	402.	413.							
17702 P	329.	332.	345.	357.	370.	389.	404.	416.	436.						
17704 P	349.	356.	372.	382.	399.	425.	445.	459.	468.						
17707 P	313.	315.	320.	328.	340.	363.	377.	389.	408.						
17708 P	350.	355.	363.	378.	389.	414.	431.	456.	472.						
17710 P	374.	384.	388.	403.	416.	436.	449.	471.	498.						

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

DAY = DAY OF PRESUMED GESTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C32 (PAGE 3): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP III						MIDDLE DOSAGE						50 MG/KG/DAY					
	PREGNANCY STATUS	DAY	0	1	2	3	4	5	6	7	8	9	10	11	12			
17661 P		243.	251.	248.	253.	259.	258.	265.	276.	275.	279.	286.	293.	302.				
17667 P		273.	287.	290.	296.	295.	299.	301.	308.	313.	316.	321.	327.	335.				
17669 P		282.	288.	290.	290.	294.	295.	293.	301.	305.	307.	309.	317.	325.				
17670 P		262.	262.	265.	262.	269.	275.	274.	275.	279.	287.	292.	295.	305.				
17676 P		247.	250.	253.	253.	255.	260.	261.	265.	262.	265.	270.	274.	282.				
17687 P		305.	305.	311.	313.	322.	326.	326.	333.	336.	337.	348.	356.	366.				
17693 P		255.	262.	265.	268.	272.	275.	279.	281.	283.	283.	288.	298.	302.				
17697 P		258.	262.	274.	274.	271.	274.	275.	275.	277.	280.	286.	297.	298.				
17700 P		277.	280.	285.	288.	293.	296.	297.	300.	305.	310.	312.	321.	328.				
17701 P		293.	298.	299.	301.	311.	311.	312.	322.	324.	331.	341.	346.	354.				
17705 P		280.	288.	297.	297.	303.	299.	311.	316.	320.	325.	330.	338.	352.				
17706 P		276.	282.	283.	286.	294.	301.	302.	301.	306.	314.	317.	324.	337.				
17709 P		273.	272.	276.	278.	284.	286.	286.	293.	291.	287.	296.	301.	300.				
17718 P		288.	292.	297.	294.	299.	298.	301.	304.	305.	306.	311.	320.	324.				
17720 P		269.	273.	276.	284.	293.	294.	297.	302.	304.	309.	314.	323.	333.				
	DAY	13	14	15	16	17	18	19	20	21	22	23	24	25				
17661 P		306.	312.	326.	340.	355.	376.	391.	402.	424.								
17667 P		337.	342.	353.	361.	378.	395.	412.	419.	440.								
17669 P		325.	330.	338.	348.	367.	386.	403.	416.	436.								
17670 P		306.	315.	320.	337.	346.	362.	380.	394.	416.								
17676 P		284.	291.	298.	308.	324.	334.	350.	358.	373.								
17687 P		370.	370.	376.	388.	403.	417.	434.	450.	476.								
17693 P		301.	306.	312.	327.	330.	351.	369.	385.	405.								
17697 P		300.	310.	318.	326.	344.	361.	373.	386.	405.								
17700 P		333.	341.	352.	361.	375.	390.	405.	416.									
17701 P		355.	365.	366.	383.	388.	410.	423.	442.	466.								
17705 P		350.	359.	367.	377.	394.	407.	418.	443.	467.								
17706 P		340.	339.	351.	359.	377.	377.	401.	423.	443.								
17709 P		304.	308.	307.	324.	331.	352.	362.	379.	391.								
17718 P		326.	335.	344.	352.	367.	386.	402.	423.									
17720 P		336.	346.	354.	366.	380.	397.	413.	435.	454.								

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

DAY = DAY OF PRESUMED GESTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C32 (PAGE 4): MATERNAL BODY WEIGHTS - PRESUMED GESTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP IV				HIGH DOSAGE								250 MG/KG/DAY			
	PREGNANCY STATUS	DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	
17664 NP	MATING NOT CONFIRMED															
17677 P	268.	276.	278.	281.	288.	290.	286.	289.	296.	297.	303.	313.	317.			
17678 P	263.	269.	274.	283.	284.	289.	292.	297.	299.	303.	309.	320.	327.			
17682 P	288.	284.	288.	290.	293.	292.	293.	299.	299.	303.	308.	310.	319.			
17683 P	250.	264.	265.	261.	264.	267.	270.	266.	278.	279.	293.	304.	315.			
17685 P	262.	268.	270.	275.	280.	282.	288.	289.	290.	295.	299.	302.	305.			
17686 NP	243.	251.	259.	265.	267.	268.	272.	271.	278.	284.	286.	302.	293.			
17689 P	264.	268.	267.	268.	270.	272.	276.	282.	288.	290.	293.	302.	305.			
17691 P	264.	268.	274.	277.	281.	288.	287.	295.	296.	304.	309.	316.	317.			
17692 P	254.	260.	262.	264.	269.	269.	274.	278.	276.	283.	284.	291.	299.			
17696 P	231.	244.	252.	252.	252.	255.	257.	256.	259.	261.	272.	274.	282.			
17699 P	272.	275.	283.	282.	289.	292.	299.	295.	296.	302.	309.	312.	321.			
17711 P	249.	254.	256.	256.	261.	264.	266.	268.	264.	271.	278.	282.	293.			
17712 P	250.	261.	267.	264.	271.	274.	275.	276.	280.	285.	288.	295.	301.			
17714 P	291.	296.	306.	305.	316.	318.	317.	322.	327.	333.	338.	341.	348.			
	DAY	13	14	15	16	17	18	19	20	21	22	23	24	25		
17664 NP	MATING NOT CONFIRMED															
17677 P	319.	325.	332.	341.	358.	363.	373.	386.	398.	381.						
17678 P	330.	332.	338.	347.	364.	373.	385.	405.	422.							
17682 P	324.	331.	341.	355.	367.	371.	389.	401.								
17683 P	318.	328.	326.	339.	348.	369.	380.	396.	417.							
17685 P	313.	319.	328.	340.	351.	373.	389.	403.	409.							
17686 NP	272.	277.	275.	266.	270.	278.	284.	294.	290.	296.	299.	298.	284.			
17689 P	316.	324.	327.	350.	355.	369.	389.	409.	420.							
17691 P	324.	324.	331.	340.	351.	359.	374.	381.	391.							
17692 P	298.	307.	315.	329.	340.	357.	371.	395.	409.							
17696 P	284.	290.	299.	311.	323.	338.	356.	369.	377.	370.						
17699 P	326.	333.	340.	352.	366.	380.	396.	403.	415.							
17711 P	295.	300.	305.	319.	332.	337.	355.	366.	364.	354.						
17712 P	304.	309.	320.	333.	350.	366.	385.	399.	408.							
17714 P	347.	358.	366.	376.	387.	406.	414.	430.	443.							

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

DAY = DAY OF PRESUMED GESTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C33 (PAGE 1): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	VEHICLE						0 (VEHICLE) MG/KG/DAY	
	DAY	1	2	3	4	5	6	
17662		304.	315.	321.	328.	328.	303.	
17672		339.	329.	350.	354.	361.	319.	
17673		304.	287.	290.	301.	295.	271.	
17674		321.	326.	321.	318.	306.	282.	
17680		331.	331.	332.	339.	338.	303.	
17681		326.	329.	327.	331.	337.	303.	
17690		360.	381.	366.	372.	388.	345.	
17694		315.	317.	322.	328.	317.	291.	
17695		294.	293.	286.	298.	299.	271.	
17703		366.	354.	354.	362.	371.	339.	
17713		312.	305.	311.	302.	321.	292.	
17715		356.	357.	353.	353.	350.	328.	
17716		305.	306.	302.	298.	307.	298.	
17717		291.	294.	293.	286.	295.	274.	
17719		294.	290.	285.	292.	300.	268.	

DAY = DAY OF LACTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C33 (PAGE 2): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP II						LOW DOSAGE	10 MG/KG/DAY
	DAY	1	2	3	4	5	6	
17663	NOT PREGNANT							
17665	325.	324.	327.	326.	335.	308.		
17666	297.	304.	299.	301.	309.	289.		
17668	308.	312.	323.	329.	342.	299.		
17671	276.	273.	270.	262.	290.	256.		
17675	307.	313.	323.	325.	335.	297.		
17679	322.	313.	307.	319.	328.	295.		
17684	332.	345.	344.	339.	348.	317.		
17688	332.	339.	337.	352.	355.	311.		
17698	315.	318.	328.	339.	341.	299.		
17702	328.	327.	333.	340.	344.	307.		
17704	342.	350.	346.	349.	351.	327.		
17707	299.	299.	309.	319.	330.	296.		
17708	351.	357.	359.	344.	360.	328.		
17710	344.	370.	364.	363.	379.	327.		

DAY = DAY OF LACTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C33 (PAGE 3): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP III						50 MG/KG/DAY	
	DAY	1	2	3	4	5	6	
17661		311.	299.	306.	297.	306.	280.	
17667		331.	329.	332.	329.	341.	311.	
17669		321.	322.	319.	325.	336.	296.	
17670		294.	297.	294.	292.	294.	268.	
17676		269.	276.	287.	289.	294.	265.	
17687		351.	354.	359.	354.	364.	337.	
17693		294.	286.	295.	299.	302.	274.	
17697		295.	297.	311.	295.	304.	268.	
17700		334.	343.	344.	335.	348.	310.	
17701		351.	348.	350.	345.	348.	311.	
17705		331.	349.	361.	362.	374.	330.	
17706		337.	337.	337.	341.	340.	315.	
17709		282.	287.	284.	286.	290.	262.	
17718		314.	323.	320.	318.	326.	295.	
17720		333.	334.	341.	342.	351.	318.	

DAY = DAY OF LACTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C33 (PAGE 4): MATERNAL BODY WEIGHTS - LACTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP IV						HIGH DOSAGE	250 MG/KG/DAY
	DAY	1	2	3	4	5		
17664		NOT PREGNANT; MATING NOT CONFIRMED						
17677	304.	298.	304.	304.	304.	287.		
17678	327.	324.	332.	328.	330.	293.		
17682	306.	310.	317.	321.	338.	300.		
17683	298.	302.	296.	294.	304.	259.		
17685	293.	304.	295.	294.	307.	277.		
17686		NOT PREGNANT						
17689	301.	302.	307.	312.	324.	285.		
17691	303.	308.	310.	307.	315.	286.		
17692	273.	279.	282.	291.	300.	277.		
17696	248.		SACRIFICED DUE TO NO SURVIVING PUPS ON DAY 2 OF LACTATION					
17699	314.	318.	315.	320.	322.	283.		
17711	248.		SACRIFICED DUE TO NO SURVIVING PUPS ON DAY 2 OF LACTATION					
17712	307.	313.	304.	310.	322.	292.		
17714	330.	332.	331.	336.	326.	294.		

DAY = DAY OF LACTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C34 (PAGE 1): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP I		VEHICLE	0 (VEHICLE) MG/KG/DAY
DAY	1-	8	8- 15a	
17662	138.	132.		
17672	141.	150.		
17673	103.	110.		
17674	145.	150.		
17680	133.	145.		
17681	134.	141.		
17690	127.	146.		
17694	128.	141.		
17695	141.	139.		
17703	136.	147.		
17713	129.	130.		
17715	136.	136.		
17716	196.	192.		
17717	129.	148.		
17719	123.	124.		

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C34 (PAGE 2): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

RAT #	DOSAGE GROUP II		LOW DOSAGE	10 MG/KG/DAY
DAY	1-	8	8- 15a	
17663		117.	139.	
17665		156.	149.	
17666		134.	141.	
17668		126.	131.	
17671		115.	112.	
17675		128.	143.	
17679		145.	151.	
17684		140.	156.	
17688		128.	153.	
17698		142.	141.	
17702		143.	150.	
17704		139.	162.	
17707		124.	122.	
17708		151.	160.	
17710		145.	164.	

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C34 (PAGE 3): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP III		MIDDLE DOSAGE	50 MG/KG/DAY
DAY	1-	8	8- 15a	
17661	123.	117.		
17667	130.	132.		
17669	150.	146.		
17670	138.	132.		
17676	119.	125.		
17687	187.	191.		
17693	140.	133.		
17697	129.	136.		
17700	157.	153.		
17701	160.	167.		
17705	124.	150.		
17706	140.	146.		
17709	110.	118.		
17718	124.	133.		
17720	144.	158.		

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Last value recorded before cohabitation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C34 (PAGE 4): FEED CONSUMPTION VALUES - PRECOHABITATION - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

RAT #	DOSAGE GROUP IV		HIGH DOSAGE	250 MG/KG/DAY
DAY	1-	8	8- 15a	
17664	125.	134.		
17677	147.	145.		
17678	123.	129.		
17682	178.	b		
17683	118.	122.		
17685	133.	149.		
17686	121.	122.		
17689	135.	139.		
17691	113.	141.		
17692	126.	137.		
17696	108.	124.		
17699	138.	141.		
17711	119.	122.		
17712	109.	122.		
17714	147.	153.		

DAY = DAY OF STUDY

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

- a. Last value recorded before cohabitation.
- b. Spilled feed precluded the calculation of this value.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C35 (PAGE 1): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP I					VEHICLE			0 (VEHICLE) MG/KG/DAY
PREGNANCY									
STATUS	DAYS	0 - 7	7 - 10	10 - 12	12 - 15	15 - 18	18 - 20		
17662 P		159.	80.	50.	74.	78.	42.		
17672 P		171.	75.	55.	85.	85.	54.		
17673 P		138.	64.	45.	67.	67.	50.		
17674 P		171.	83.	53.	85.	92.	68.		
17680 P		165.	79.	55.	85.	91.	56.		
17681 P		159.	77.	53.	82.	78.	49.		
17690 P		190.	89.	61.	94.	99.	62.		
17694 P		168.	76.	44.	80.	83.	52.		
17695 P		161.	72.	52.	81.	80.	51.		
17703 P		183.	84.	55.	85.	91.	47.		
17713 P		154.	74.	49.	75.	71.	39.		
17715 P		176.	77.	58.	90.	75.	56.		
17716 P		159.	66.	48.	75.	69.	52.		
17717 P		148.	66.	41.	65.	75.	44.		
17719 P		149.	67.	43.	66.	74.	50.		

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

DAY = DAYS OF PRESUMED GESTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C35 (PAGE 2): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP II						LOW DOSAGE		10 MG/KG/DAY	
PREGNANCY										
	STATUS	DAYS	0 - 7	7 - 10	10 - 12	12 - 15	15 - 18	18 - 20		
17663	NP		139.	63.	39.	57.	56.	31.		
17665	P		168.	75.	56.	78.	83.	45.		
17666	P		135.	59.	39.	61.	71.	46.		
17668	P		157.	83.	55.	81.	88.	44.		
17671	P		139.	69.	41.	62.	72.	41.		
17675	P		152.	71.	47.	69.	76.	51.		
17679	P		164.	75.	52.	82.	83.	49.		
17684	P		170.	76.	57.	87.	86.	58.		
17688	P		165.	80.	43.	74.	101.	55.		
17698	P		168.	81.	55.	83.	85.	40.		
17702	P		166.	71.	42.	81.	84.	58.		
17704	P		179.	82.	60.	98.	99.	57.		
17707	P		139.	63.	51.	73.	74.	48.		
17708	P		172.	87.	52.	83.	95.	61.		
17710	P		207.	84.	67.	101.	92.	55.		

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

DAY = DAYS OF PRESUMED GESTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C35 (PAGE 3): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP III					MIDDLE DOSAGE			50 MG/KG/DAY
PREGNANCY STATUS	0 - 7	7 - 10	10 - 12	12 - 15	15 - 18	18 - 20			
17661 P	140.	71.	58.	86.	90.	58.			
17667 P	154.	73.	47.	74.	80.	50.			
17669 P	155.	70.	52.	76.	89.	48.			
17670 P	129.	60.	44.	73.	70.	50.			
17676 P	126.	58.	47.	66.	65.	41.			
17687 P	207.	87.	58.	92.	81.	61.			
17693 P	146.	65.	40.	54.	68.	52.			
17697 P	146.	64.	48.	77.	86.	44.			
17700 P	169.	81.	54.	91.	98.	52.			
17701 P	188.	83.	53.	88.	94.	58.			
17705 P	167.	84.	56.	85.	94.	54.			
17706 P	178.	78.	53.	83.	75.	52.			
17709 P	143.	52.	38.	53.	65.	45.			
17718 P	152.	62.	45.	67.	72.	51.			
17720 P	172.	79.	57.	91.	84.	58.			

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

DAY = DAYS OF PRESUMED GESTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C35 (PAGE 4): MATERNAL FEED CONSUMPTION VALUES - PRESUMED GESTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP IV					HIGH DOSAGE	250 MG/KG/DAY
PREGNANCY							
STATUS	0 - 7	7 - 10	10 - 12	12 - 15	15 - 18	18 - 20	
17664	NP	MATING NOT CONFIRMED					
17677	P	153.	73.	52.	82.	72.	45.
17678	P	175.	73.	58.	79.	79.	55.
17682	P	170.	72.	68.	77.	80.	52.
17683	P	136.	82.	57.	85.	93.	46.
17685	P	174.	76.	42.	69.	86.	51.
17686	NP	148.	63.	34.	50.	48.	44.
17689	P	140.	78.	50.	76.	82.	51.
17691	P	a	74.	46.	76.	76.	42.
17692	P	152.	67.	47.	77.	84.	51.
17696	P	136.	60.	53.	72.	79.	47.
17699	P	162.	72.	58.	87.	97.	49.
17711	P	136.	55.	47.	71.	75.	50.
17712	P	174.	82.	54.	89.	106.	65.
17714	P	164.	82.	56.	90.	89.	47.

P = PREGNANT NP = NOT PREGNANT (VALUES EXCLUDED FROM AVERAGES)

DAY = DAYS OF PRESUMED GESTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Spilled feed precluded the calculation of this value.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C36 (PAGE 1): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

RAT #	DOSAGE GROUP I	VEHICLE	0 (VEHICLE) MG/KG/DAY
DAY 1 - 5			
17662	144.		
17672	143.		
17673	93.		
17674	97.		
17680	150.		
17681	129.		
17690	168.		
17694	126.		
17695	118.		
17703	127.		
17713	100.		
17715	138.		
17716	138.		
17717	94.		
17719	121.		

DAY = DAY OF LACTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C36 (PAGE 2): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP II	LOW DOSAGE	10 MG/KG/DAY
DAY 1 - 5			
17663	NOT PREGNANT		
17665	133.		
17666	131.		
17668	158.		
17671	117.		
17675	153.		
17679	118.		
17684	156.		
17688	147.		
17698	a		
17702	139.		
17704	164.		
17707	147.		
17708	166.		
17710	163.		

DAY = DAY OF LACTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Spilled feed precluded the calculation of this value.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C36 (PAGE 3): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP III	MIDDLE DOSAGE	50 MG/KG/DAY

DAY	1 - 5		
17661	116.		
17667	110.		
17669	141.		
17670	109.		
17676	130.		
17687	154.		
17693	119.		
17697	110.		
17700	167.		
17701	126.		
17705	a		
17706	150.		
17709	105.		
17718	141.		
17720	173.		

DAY = DAY OF LACTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

a. Spilled feed precluded the calculation of this value.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C36 (PAGE 4): MATERNAL FEED CONSUMPTION VALUES - LACTATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	DOSAGE GROUP IV	HIGH DOSAGE	250 MG/KG/DAY
DAY	1 - 5		
17664	NOT PREGNANT; MATING NOT CONFIRMED		
17677	74.		
17678	111.		
17682	186.		
17683	109.		
17685	114.		
17686	NOT PREGNANT		
17689	141.		
17691	133.		
17692	106.		
17696	SACRIFICED DUE TO NO SURVIVING PUPS ON DAY 2 OF LACTATION		
17699	113.		
17711	SACRIFICED DUE TO NO SURVIVING PUPS ON DAY 2 OF LACTATION		
17712	155.		
17714	113.		

DAY = DAY OF LACTATION

ALL WEIGHTS WERE RECORDED IN GRAMS (G).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C37 (PAGE 1): MATING AND FERTILITY, ESTROUS CYCLING AND DAYS IN COHABITATION - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

RAT #	PRECOHABITATION ESTROUS STAGES/ 14 DAYS	DAYS IN COHABITATION	MATING STATUS	MATING DATE	PREGNANCY STATUS
DOSAGE GROUP I	VEHICLE				0 (VEHICLE) MG/KG/DAY
17662	3	3	M	C	P
17672	4	4	M	C	P
17673	2	1	M	C	P
17674	3	1	M	C	P
17680	4	3	M	C	P
17681	3	3	M	C	P
17690	4	3	M	C	P
17694	3	1	M	C	P
17695	2	2	M	C	P
17703	4	3	M	C	P
17713	4	3	M	C	P
17715	4	4	M	C	P
17716	4	4	M	C	P
17717	1a	1	M	C	P
17719	1	9	M	C	P
DOSAGE GROUP II	LOW DOSAGE				10 MG/KG/DAY
17663	4	3	M	C	NP
17665	3	3	M	C	P
17666	3	1	M	C	P
17668	4	3	M	C	P
17671	4	3	M	C	P
17675	3	2	M	C	P
17679	3	3	M	C	P
17684	4	4	M	C	P
17688	4	3	M	C	P
17698	4	3	M	C	P
17702	1	1	M	C	P
17704	3	2	M	C	P
17707	3	4	M	C	P
17708	4	1	M	C	P
17710	4	4	M	C	P

M = MATED C = CONFIRMED P = PREGNANT NP = NOT PREGNANT

a. Six or more consecutive days of diestrus were observed.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C37 (PAGE 2): MATING AND FERTILITY, ESTROUS CYCLING AND DAYS IN COHABITATION - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP III	PRECOHABITATION ESTROUS STAGES/ 14 DAYS	DAYS IN COHABITATION	MATING STATUS	MATING DATE	PREGNANCY STATUS
MIDDLE DOSAGE					
17661	3	2	M	C	P
17667	3	2	M	C	P
17669	4	3	M	C	P
17670	4	4	M	C	P
17676	3	2	M	C	P
17687	3	4	M	C	P
17693	3	1	M	C	P
17697	3	3	M	C	P
17700	4	3	M	C	P
17701	4	3	M	C	P
17705	4	3	M	C	P
17706	1	4	M	C	P
17709	4	13	M	C	P
17718	4	13	M	C	P
17720	1a	4	M	C	P
HIGH DOSAGE					
17664	4	14	DID NOT MATE	-	-
17677	3	4	M	C	P
17678	3	4	M	C	P
17682	3	13	M	C	P
17683	3	3	M	C	P
17685	2	1	M	C	P
17686	4	1	M	C	NP
17689	4	1	M	C	P
17691	4	4	M	C	P
17692	3	1	M	C	P
17696	4	1	M	C	P
17699	4	3	M	C	P
17711	3	1	M	C	P
17712	3	1	M	C	P
17714	4	3	M	C	P

M = MATED C = CONFIRMED P = PREGNANT NP = NOT PREGNANT

a. Six or more consecutive days of diestrus were observed.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C38 (PAGE 1): FUNCTIONAL OBSERVATIONAL BATTERY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP I	17662	17672	17673	17674	17680	0 (VEHICLE) MG/KG/DAY
RAT #						
HOME CAGE BEHAVIOR	2	1	1	1	2	
ALTERATIONS (HOME CAGE)	1	1	1	1	1	
REACTION TO REMOVAL	1	1	1	1	1	
REACTION TO HANDLING	1	1	1	1	1	
REARS IN OPEN FIELD	6	9	6	8	10	
DEFECATION IN OPEN FIELD	1	1	1	1	1	
URINATION IN OPEN FIELD	1	1	1	1	1	
LEVEL OF AROUSAL	3	3	3	3	3	
ALTERATIONS (OPEN FIELD)	1	1	1	1	4c	
GAIT PATTERN	1	1	1	1	1	
GAIT ABNORMALITY, SEVERITY	1	1	1	1	1	
PALPEBRAL CLOSURE	1	1	1	1	1	
PROMINENCE OF THE EYE	1	1	1	1	1	
LACRIMATION	1	1	1	1	1	
SALIVATION	1	1	1	1	1	
PILOERCTION	0	0	0	0	0	
ABNORMAL RESPIRATION	0	0	0	0	0	
APPEARANCE	1	1	1	1	1	
VISUAL REACTION	2	2	2	2	2	
TACTILE REACTION	2	2	2	2	2	
AUDITORY REACTION	3	3	3	3	3	
TAIL-PINCH REACTION	2	2	2	2	2	
VISUAL PLACING RESPONSE	1	1	1	1	1	
AIR RIGHTING RESPONSE	1	1	1	1	1	
PUPIL RESPONSE TO LIGHT	1	1	1	1	1	
FORELIMB GRIP TEST #1	310a	315	355	320b	225	
FORELIMB GRIP TEST #2	355	325	255	285	220	
HINDLIMB GRIP TEST #1	145	305	205	370	375	
HINDLIMB GRIP TEST #2	190	325	215	220	390	
LANDING FOOT SPLAY #1	6.6	6.1	7.2	6.7	6.7	
LANDING FOOT SPLAY #2	7.7	6.8	5.5	6.8	6.8	
BODY WEIGHT (G)	343	360	295	324	342	

VALUES ARE THE QUANTITY, CATEGORY NUMBER, QUANTAL RESPONSE OR SCORE RECORDED FOR EACH ITEM IN THE BATTERY.

a. Soft or liquid feces were observed during the forelimb grip testing.

b. Animal fell approximately 3 feet to floor, animal appeared normal.

c. Value appeared incorrectly recorded and was excluded from group averages and statistical analyses.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C38 (PAGE 2): FUNCTIONAL OBSERVATIONAL BATTERY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP II	10 MG/KG/DAY			
RAT #	17665	17666	17668	17671
HOME CAGE BEHAVIOR	1	2	2	1
ALTERATIONS (HOME CAGE)	1	1	1	1
REACTION TO REMOVAL	1	1	1	1
REACTION TO HANDLING	1	1	1	1
REARS IN OPEN FIELD	12	8	11	10
DEFECATION IN OPEN FIELD	1	1	2	1
URINATION IN OPEN FIELD	1	1	2	1
LEVEL OF AROUSAL	3	3	3	3
ALTERATIONS (OPEN FIELD)	1	1	1	1
GAIT PATTERN	1	1	1	1
GAIT ABNORMALITY, SEVERITY	1	1	1	1
PALPEBRAL CLOSURE	1	1	1	1
PROMINENCE OF THE EYE	1	1	1	1
LACRIMATION	1	1	1	1
SALIVATION	1	1	1	1
PILOERCTION	0	0	0	0
ABNORMAL RESPIRATION	0	0	0	0
APPEARANCE	1a	1	1	1c
VISUAL REACTION	2	2	2	2
TACTILE REACTION	2	2	2	2
AUDITORY REACTION	3	3	3	3
TAIL-PINCH REACTION	2	2	2	2
VISUAL PLACING RESPONSE	1	1	1	1
AIR RIGHTING RESPONSE	1	1	1	1
PUPIL RESPONSE TO LIGHT	1	1	1	1
FORELIMB GRIP TEST #1	210	385	175b	280
FORELIMB GRIP TEST #2	170	455	270	270
HINDLIMB GRIP TEST #1	285	370	335	220
HINDLIMB GRIP TEST #2	340	325	350	225
LANDING FOOT SPLAY #1	6.7	6.5	7.7	4.1
LANDING FOOT SPLAY #2	6.8	6.4	8.1	4.1
BODY WEIGHT (G)	335	310	353	292

VALUES ARE THE QUANTITY, CATEGORY NUMBER, QUANTAL RESPONSE OR SCORE RECORDED FOR EACH ITEM IN THE BATTERY.

a. Localized alopecia: both forepaws (0.5 cm in diameter).

b. Animal fell approximately 3 to 4 feet and appeared normal.

c. Localized alopecia: both forepaws and forelimbs (2.0 cm x 0.5 cm).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C38 (PAGE 3): FUNCTIONAL OBSERVATIONAL BATTERY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP III	50 MG/KG/DAY				
RAT #	17661	17667	17669	17670	17676
HOME CAGE BEHAVIOR	2	2	2	2	2
ALTERATIONS (HOME CAGE)	1	1	1	1	1
REACTION TO REMOVAL	1	1	1	1	1
REACTION TO HANDLING	1	1	1	1	1
REARS IN OPEN FIELD	9	9	15	8	9
DEFECATION IN OPEN FIELD	1	1	1	1	1
URINATION IN OPEN FIELD	1	1	1	1	1
LEVEL OF AROUSAL	3	3	3	3	3
ALTERATIONS (OPEN FIELD)	1	1	1	1	1
GAIT PATTERN	1	1	1	1	1
GAIT ABNORMALITY, SEVERITY	1	1	1	1	1
PALPEBRAL CLOSURE	1	1	1	1	1
PROMINENCE OF THE EYE	1	1	1	1	1
LACRIMATION	1	1	1	1	1
SALIVATION	2	1	1	1	1
PILOERCTION	0	0	0	0	0
ABNORMAL RESPIRATION	0	0	0	0	0
APPEARANCE	1	1	1a	1	1
VISUAL REACTION	2	2	2	2	2
TACTILE REACTION	2	2	2	2	2
AUDITORY REACTION	3	3	3	3	3
TAIL-PINCH REACTION	2	2	2	2	2
VISUAL PLACING RESPONSE	1	1	1	1	1
AIR RIGHTING RESPONSE	1	1	1	1	1
PUPIL RESPONSE TO LIGHT	1	1	1	1	1
FORELIMB GRIP TEST #1	190	200	245	275	230
FORELIMB GRIP TEST #2	310	200	245	240	270
HINDLIMB GRIP TEST #1	270	180	280	310	135
HINDLIMB GRIP TEST #2	170	235	215	220	195
LANDING FOOT SPLAY #1	8.7	6.1	6.0	6.7	5.7
LANDING FOOT SPLAY #2	6.8	7.7	5.8	6.6	6.7
BODY WEIGHT (G)	308	346	347	295	310

VALUES ARE THE QUANTITY, CATEGORY NUMBER, QUANTAL RESPONSE OR SCORE RECORDED FOR EACH ITEM IN THE BATTERY.

a. Localized alopecia: both forepaws and forelimbs (2.0 cm x 0.5 cm).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C38 (PAGE 4): FUNCTIONAL OBSERVATIONAL BATTERY - INDIVIDUAL DATA - FEMALE RATS

DOSAGE GROUP IV	250 MG/KG/DAY				
RAT #	17677	17678	17682	17683	17691
HOME CAGE BEHAVIOR	1	2	2	1	2
ALTERATIONS (HOME CAGE)	1	1	1	1	1
REACTION TO REMOVAL	1	1	1	1	1
REACTION TO HANDLING	1	1	1	1	1
REARS IN OPEN FIELD	9	8	12	6	10
DEFECATION IN OPEN FIELD	1	1	1	1	1
URINATION IN OPEN FIELD	1	1	1	1	1
LEVEL OF AROUSAL	3	3	3	3	3
ALTERATIONS (OPEN FIELD)	1	1	1	1	1
GAIT PATTERN	1	1	1	1	1
GAIT ABNORMALITY, SEVERITY	1	1	1	1	1
PALPEBRAL CLOSURE	1	1	1	1	1
PROMINENCE OF THE EYE	1	1	1	1	1
LACRIMATION	1	1	1	1	1
SALIVATION	1	1	1	1	1
PILOERCTION	0	0	0	0	0
ABNORMAL RESPIRATION	0	0	0	0	0
APPEARANCE	1	1	1	1a	1
VISUAL REACTION	2	2	2	2	2
TACTILE REACTION	2	2	2	2	2
AUDITORY REACTION	3	3	3	3	3
TAIL-PINCH REACTION	2	2	2	2	2
VISUAL PLACING RESPONSE	1	1	1	1	1
AIR RIGHTING RESPONSE	1	1	1	1	1
PUPIL RESPONSE TO LIGHT	1	1	1	1	1
FORELIMB GRIP TEST #1	405	200	455	350	455
FORELIMB GRIP TEST #2	330	190	410	290	495
HINDLIMB GRIP TEST #1	210	365	510	190	225
HINDLIMB GRIP TEST #2	345	360	535	270	280
LANDING FOOT SPLAY #1	5.5	6.3	6.2	7.6	6.5
LANDING FOOT SPLAY #2	6.8	7.4	5.2	8.6	7.6
BODY WEIGHT (G)	316	340	337	296	280

VALUES ARE THE QUANTITY, CATEGORY NUMBER, QUANTAL RESPONSE OR SCORE RECORDED FOR EACH ITEM IN THE BATTERY.

a. Localized alopecia: right forelimb (1.5 cm x 1.0 cm), right inguinal area (6.0 cm x 2.0 cm) and right hindlimb (2.0 cm x 2.0 cm).

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C39 (PAGE 1): MOTOR ACTIVITY - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP I		0 (VEHICLE) MG/KG/DAY				
RAT NUMBER		17662	17672	17673	17674	17680
DAY 86						
NUMBER OF MOVEMENTS						
BLOCK 1		70	70	90	71	74
BLOCK 2		78	84	92	90	60
BLOCK 3		56	84	47	85	77
BLOCK 4		40	51	26	103	70
BLOCK 5		25	77	92	91	42
BLOCK 6		14	50	91	93	77
BLOCK 7		42	76	27	98	75
BLOCK 8		47	5	8	72	60
BLOCK 9		75	29	1	78	51
BLOCK 10		76	64	4	79	57
BLOCK 11		37	77	3	90	94
BLOCK 12		7	74	8	74	75
BLOCK 13		40	60	12	78	61
BLOCK 14		38	75	80	62	47
BLOCK 15		44	58	56	70	48
BLOCK 16		46	44	41	75	61
BLOCK 17		28	63	71	104	83
BLOCK 18		34	61	62	48	67
TOTAL		797	1102	811	1461	1179

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C39 (PAGE 2): MOTOR ACTIVITY - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP I	0 (VEHICLE) MG/KG/DAY				
RAT NUMBER	17662	17672	17673	17674	17680
DAY 86					
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	179	180	139	231	222
BLOCK 2	172	172	113	193	244
BLOCK 3	135	157	27	146	187
BLOCK 4	58	69	20	164	148
BLOCK 5	16	105	105	159	112
BLOCK 6	9	97	75	113	138
BLOCK 7	55	119	30	118	117
BLOCK 8	89	10	7	108	124
BLOCK 9	158	50	0	90	75
BLOCK 10	146	126	2	83	83
BLOCK 11	38	113	1	92	133
BLOCK 12	7	129	17	91	115
BLOCK 13	42	137	9	116	111
BLOCK 14	63	115	95	65	91
BLOCK 15	95	112	68	105	82
BLOCK 16	114	77	26	78	96
BLOCK 17	28	82	67	146	122
BLOCK 18	47	96	62	44	102
TOTAL	1451	1946	863	2142	2302

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C39 (PAGE 3): MOTOR ACTIVITY - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP II		10 MG/KG/DAY			
RAT NUMBER		17665	17666	17668	17671
DAY 86					
NUMBER OF MOVEMENTS					
BLOCK 1		66	75	75	76
BLOCK 2		85	72	83	73
BLOCK 3		69	87	84	71
BLOCK 4		96	17	74	63
BLOCK 5		76	37	20	74
BLOCK 6		71	60	1	92
BLOCK 7		108	68	1	69
BLOCK 8		74	57	2	78
BLOCK 9		56	61	77	68
BLOCK 10		76	71	80	51
BLOCK 11		45	62	42	63
BLOCK 12		2	27	65	70
BLOCK 13		28	4	54	51
BLOCK 14		14	33	3	68
BLOCK 15		74	58	2	64
BLOCK 16		83	65	2	68
BLOCK 17		12	16	0	73
BLOCK 18		7	3	57	59
TOTAL		1042	873	722	1231

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C39 (PAGE 4): MOTOR ACTIVITY - INDIVIDUAL DATA - F₀ GENERATION FEMALE RATS

DOSAGE GROUP II		10 MG/KG/DAY			
RAT NUMBER		17665	17666	17668	17671
DAY 86					
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1		194	220	156	163
BLOCK 2		176	138	163	126
BLOCK 3		194	90	139	126
BLOCK 4		151	20	70	174
BLOCK 5		91	54	17	164
BLOCK 6		104	104	0	96
BLOCK 7		125	116	0	99
BLOCK 8		101	81	0	155
BLOCK 9		99	100	129	148
BLOCK 10		128	122	93	88
BLOCK 11		63	117	34	202
BLOCK 12		0	37	73	187
BLOCK 13		21	2	77	82
BLOCK 14		5	44	2	142
BLOCK 15		89	61	0	126
BLOCK 16		77	120	0	111
BLOCK 17		7	15	0	155
BLOCK 18		6	1	64	151
TOTAL		1631	1442	1017	2495

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C39 (PAGE 5): MOTOR ACTIVITY - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP III		50 MG/KG/DAY			
RAT NUMBER		17661	17667	17669	17670
DAY 86					
NUMBER OF MOVEMENTS					
BLOCK 1		59	57	74	58
BLOCK 2		81	85	43	73
BLOCK 3		78	81	13	13
BLOCK 4		75	73	2	0
BLOCK 5		68	15	9	45
BLOCK 6		60	0	76	66
BLOCK 7		66	74	62	81
BLOCK 8		64	65	43	53
BLOCK 9		84	81	6	54
BLOCK 10		61	60	33	63
BLOCK 11		64	70	15	44
BLOCK 12		59	25	5	19
BLOCK 13		61	9	3	46
BLOCK 14		52	4	31	63
BLOCK 15		68	3	54	67
BLOCK 16		67	3	72	60
BLOCK 17		65	4	73	62
BLOCK 18		60	2	12	58
TOTAL		1192	711	626	925
					1164

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C39 (PAGE 6): MOTOR ACTIVITY - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP III		50 MG/KG/DAY			
RAT NUMBER		17661	17667	17669	17670
DAY 86					
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1		242	251	196	231
BLOCK 2		190	177	54	128
BLOCK 3		179	116	12	10
BLOCK 4		140	67	0	0
BLOCK 5		193	17	8	39
BLOCK 6		96	0	104	123
BLOCK 7		122	86	121	126
BLOCK 8		134	144	45	79
BLOCK 9		136	154	3	66
BLOCK 10		82	67	23	114
BLOCK 11		127	118	10	68
BLOCK 12		99	27	2	25
BLOCK 13		107	10	1	70
BLOCK 14		75	1	86	102
BLOCK 15		98	2	117	114
BLOCK 16		129	1	89	97
BLOCK 17		113	3	94	114
BLOCK 18		116	2	5	77
TOTAL		2378	1243	970	1583
1578					

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C39 (PAGE 7): MOTOR ACTIVITY - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP IV		250 MG/KG/DAY			
RAT NUMBER		17677	17678	17682	17683
DAY 86		17691			
NUMBER OF MOVEMENTS					
BLOCK 1		71	88	59	76
BLOCK 2		49	91	57	105
BLOCK 3		55	88	69	77
BLOCK 4		64	80	80	96
BLOCK 5		48	51	80	98
BLOCK 6		76	50	73	79
BLOCK 7		88	31	82	69
BLOCK 8		87	9	77	73
BLOCK 9		61	3	12	52
BLOCK 10		68	27	0	68
BLOCK 11		74	79	21	63
BLOCK 12		79	78	90	43
BLOCK 13		4	74	67	55
BLOCK 14		1	44	11	65
BLOCK 15		3	60	0	77
BLOCK 16		5	61	14	53
BLOCK 17		5	50	2	73
BLOCK 18		81	62	6	54
TOTAL		919	1026	800	1276
					1184

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C39 (PAGE 8): MOTOR ACTIVITY - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS

DOSAGE GROUP IV		250 MG/KG/DAY			
RAT NUMBER	17677	17678	17682	17683	17691
DAY 86					
TIME (SECONDS) SPENT IN MOVEMENT					
BLOCK 1	160	186	225	166	156
BLOCK 2	133	150	155	204	129
BLOCK 3	98	118	122	182	103
BLOCK 4	73	104	142	157	74
BLOCK 5	53	118	112	163	91
BLOCK 6	126	71	92	109	48
BLOCK 7	114	44	128	120	75
BLOCK 8	100	6	107	112	80
BLOCK 9	78	0	10	135	89
BLOCK 10	72	36	0	88	109
BLOCK 11	102	138	15	114	80
BLOCK 12	121	105	109	101	138
BLOCK 13	0	93	117	77	57
BLOCK 14	0	40	10	86	77
BLOCK 15	3	131	0	119	72
BLOCK 16	2	83	13	82	69
BLOCK 17	4	67	2	104	85
BLOCK 18	85	97	3	96	51
TOTAL	1324	1587	1362	2215	1583

TOTAL = SUM OF BLOCKS; EACH BLOCK CONSISTS OF A 5 MINUTE PERIOD.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C40 (PAGE 1): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS/F1 GENERATION LITTERS

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS)	LITTER DELIVERED			NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM						TOTAL IMPLAN- TATIONS N
		LIVE BORN N	STILL- BORN N	TOTAL BORN N	1 M	1 F	5 M	5 F			
		DOSAGE GROUP I			VEHICLE				0 (VEHICLE) MG/KG/DAY		
17662	23	14	0	14			8	6	8	6	15
17672	23	16	0	16			10	6	10	6	17
17673	23	13	0	13			5	8	5	8	15
17674	23	18	0	18			12	6	12	6	18
17680	23	17	0	17			8	9	8	9	18
17681	23	16	0	16			9	7	9	7	18
17690	23	18	0	18			9	9	9	9	20
17694	22	16(1)	0	16			10	5	10	5	18
17695	22	15	0	15			9	6	9	6	15
17703	22	20(1)	1	21			8	11	8	11	22
17713	23	14	0	14			6	8	6	8	15
17715	23	13	0	13			8	5	8	5	15
17716	23	14	0	14			8	6	8	6	14
17717	22	13	0	13			5	8	5	8	13
17719	23	18	0	18			9	9	9	9	18
DOSAGE GROUP II		LOW DOSAGE			10 MG/KG/DAY						
17663	NOT PREGNANT										
17665	23	15	0	15			8	7	8	7	15
17666	22	14	0	14			4	10	4	10	15
17668	23	16	0	16			7	9	7	9	16
17671	22	13	0	13			5	8	5	8	14
17675	23	18	0	18			12	6	12	6	18
17679	23	9	0	9			4	5	4	5	10
17684	22	16	0	16			9	7	9	7	16
17688	22	14	0	14			9	5	9	5	17
17698	22	16	0	16			9	7	9	6	17
17702	22	15	0	15			8	7	8	7	15
17704	23	19	0	19			13	6	13	6	20
17707	23	15	0	15			6	9	6	9	16
17708	22	16	0	16			9	7	9	7	17
17710	23	19	0	19			13	6	12	6	20

M = MALE F = FEMALE

() = NUMBER OF PUPS DYING PRIOR TO WEIGHING ON DAY 1 POSTPARTUM.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C40 (PAGE 2): NATURAL DELIVERY, IMPLANTATION SITES, AND PUP VIABILITY AND SEX - INDIVIDUAL DATA - F0 GENERATION FEMALE RATS/F1 GENERATION LITTERS

RAT/ LITTER NUMBER	DURATION OF GESTATION (DAYS)	LITTER DELIVERED			NUMBER OF LIVE PUPS AT COMPLETION OF DAY POSTPARTUM						TOTAL IMPLAN- TATIONS N	
		LIVE BORN			1		5					
		N	N	N	M	F	M	F				
DOSAGE GROUP III		MIDDLE DOSAGE			50 MG/KG/DAY							
17661	23	15	0	15			10	5	10	5	16	
17667	23	13	0	13			7	6	7	6	15	
17669	23	16	0	16			2	14	2	14	17	
17670	23	16	0	16			6	10	6	10	16	
17676	23	15	0	15			11	4	11	4	15	
17687	23	15	0	15			8	7	8	7	16	
17693	23	15	2	17			8	7	8	6	17	
17697	23	15	0	15			9	6	9	6	16	
17700	22	14	0	14			10	4	10	4	16	
17701	23	14	0	14			4	10	4	10	19	
17705	23	16	2	18			7	9	7	9	18	
17706	23	15	0	15			10	5	10	4	16	
17709	23	16	0	16			7	9	7	9	16	
17718	22	16	0	16			11	5	11	5	18	
17720	22	16	0	16			8	8	8	8	16	
DOSAGE GROUP IV		HIGH DOSAGE			250 MG/KG/DAY							
17664	NOT PREGNANT; MATING NOT CONFIRMED											
17677	23	4 (4)	0	7 [3]			-	-	-	-	13	
17678	23	12	0	12			5	7	5	7	15	
17682	22	14	0	14			6	8	6	8	15	
17683	23	16	0	16			10	6	10	6	16	
17685	23	16	1	17			3	13	2	13	17	
17686	NOT PREGNANT											
17689	23	17	0	18 [1]			12	5	12	5	18	
17691	23	12	0	12			4	8	4	8	13	
17692	23	14	2	16			7	7	7	7	16	
17696	23	13	2	15			4	9	-	-	17	
17699	23	14	0	14			8	6	7	6	16	
17711	23	12	1	13			5	7	-	-	15	
17712	23	13	0	13			8	5	8	5	16	
17714	23	16	0	16			5	11	5	10	17	

M = MALE F = FEMALE

() = NUMBER OF PUPS DYING PRIOR TO WEIGHING ON DAY 1 POSTPARTUM.

[] = NUMBER OF PUPS IN WHICH CANNIBALIZATION AND/OR AUTOLYSIS PRECLUDED THE DETERMINATION OF VIABILITY.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C41 (PAGE 1): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

RAT/ LITTER NUMBER	DAY 1			DAY 5			0 (VEHICLE) MG/KG/DAY
	M	F	T	M	F	T	
MATERNAL DOSAGE GROUP I						VEHICLE	0 (VEHICLE) MG/KG/DAY
17662	7.0	6.5	6.8	11.1	10.2	10.7	
17672	6.4	6.2	6.4	10.9	9.7	10.4	
17673	6.5	5.9	6.1	8.7	8.5	8.6	
17674	6.7	6.5	6.6	9.2	8.7	9.0	
17680	7.5	6.8	7.1	11.4	10.5	10.9	
17681	6.1	5.8	6.0	9.8	9.5	9.6	
17690	6.3	6.1	6.2	9.8	9.5	9.6	
17694	6.2	5.7	6.0	10.0	9.2	9.8	
17695	5.9	5.7	5.8	9.3	9.1	9.2	
17703	5.5	5.2	5.4	8.7	7.9	8.2	
17713	6.5	6.4	6.4	10.1	10.0	10.0	
17715	8.1	8.5	8.3	11.8	12.4	12.0	
17716	7.2	6.8	7.0	9.4	9.1	9.3	
17717	6.3	6.0	6.1	8.8	8.8	8.8	
17719	6.2	6.0	6.1	8.3	8.4	8.4	
MATERNAL DOSAGE GROUP II						LOW DOSAGE	10 MG/KG/DAY
17663	NOT PREGNANT						
17665	7.1	6.9	7.0	10.4	10.0	10.2	
17666	6.3	5.9	6.0	10.0	9.4	9.5	
17668	6.2	5.9	6.0	10.4	9.4	9.8	
17671	6.5	6.4	6.4	9.5	9.3	9.4	
17675	6.0	5.9	6.0	9.1	8.6	8.9	
17679	7.3	7.1	7.2	12.1	12.0	12.0	
17684	6.8	6.6	6.7	10.6	10.0	10.3	
17688	6.0	5.7	5.9	10.6	10.4	10.5	
17698	6.3	6.4	6.3	10.6	10.1	10.4	
17702	6.2	5.7	6.0	9.8	9.0	9.5	
17704	6.0	6.2	6.0	9.0	9.4	9.1	
17707	6.0	5.9	6.0	10.2	10.2	10.2	
17708	6.2	5.9	6.0	10.4	9.6	10.0	
17710	6.6	6.2	6.5	10.5	9.8	10.3	

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
 ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C41 (PAGE 2): PUP BODY WEIGHT LITTER AVERAGES FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION LITTERS

RAT/ LITTER NUMBER	DAY 1			DAY 5					
	M	F	T	M	F	T			
MATERNAL DOSAGE GROUP III									
				MIDDLE DOSAGE					
						50 MG/KG/DAY			
17661	6.7	6.1	6.5	9.8	8.6	9.4			
17667	7.1	6.9	7.0	10.8	10.2	10.5			
17669	6.8	5.9	6.0	10.4	9.0	9.2			
17670	7.0	6.8	6.8	9.5	9.1	9.2			
17676	6.3	6.2	6.3	9.3	8.9	9.2			
17687	6.8	6.4	6.6	12.0	11.8	11.9			
17693	6.4	6.3	6.4	10.0	9.6	9.8			
17697	6.5	6.2	6.4	10.0	9.3	9.7			
17700	6.6	6.2	6.5	11.2	10.7	11.1			
17701	7.1	6.8	6.9	11.0	9.9	10.2			
17705	7.1	6.4	6.7	10.8	9.0	9.8			
17706	7.1	6.6	6.9	11.9	11.5	11.8			
17709	6.0	5.6	5.7	9.0	8.5	8.7			
17718	6.5	6.2	6.4	9.6	9.8	9.7			
17720	6.3	6.2	6.3	10.1	10.7	10.4			
MATERNAL DOSAGE GROUP IV			HIGH DOSAGE			250 MG/KG/DAY			
17664	NOT PREGNANT; MATING NOT CONFIRMED								
17677	NO SURVIVING PUPS ON DAY 1 OF LACTATION								
17678	7.0	6.5	6.7	10.9	10.4	10.6			
17682	6.8	6.8	6.8	11.5	11.2	11.3			
17683	6.2	6.1	6.2	7.7	7.2	7.5			
17685	5.5	5.4	5.4	7.4	7.7	7.7			
17686	NOT PREGNANT								
17689	5.8	5.8	5.8	9.2	9.2	9.2			
17691	7.2	7.0	7.0	9.8	9.6	9.7			
17692	5.7	5.5	5.6	8.1	8.0	8.1			
17696	4.8	4.5	4.6	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
17699	5.8	5.5	5.7	9.0	8.8	8.9			
17711	4.9	4.5	4.7	NO SURVIVING PUPS ON DAY 2 OF LACTATION					
17712	6.5	6.0	6.3	11.0	9.9	10.5			
17714	7.0	6.1	6.4	10.5	9.2	9.6			

M = MALE F = FEMALE T = TOTAL (SUM OF PUP WEIGHTS/NUMBER OF LIVE PUPS) DAY = DAY POSTPARTUM
 ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C42 (PAGE 1): PUP BODY WEIGHTS FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1 21	2 22	3 23	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP I					VEHICLE				0 (VEHICLE) MG/KG/DAY				POSTPARTUM DAY 1						
17662	6.8	7.3	7.3	7.5	7.1	7.0	6.5	6.9	6.6	5.3	6.5	6.7	6.5	7.2						
17672	6.6	6.2	6.7	6.9	6.0	6.1	6.5	6.8	6.0	6.3	6.5	7.0	6.1	6.4	5.9	5.6				
17673	6.6	6.7	6.7	6.2	6.2	6.1	6.2	6.6	6.2	5.8	5.6	6.0	4.9							
17674	6.0	5.8	6.8	7.0	6.2	7.0	6.7	7.0	7.4	7.2	7.0	6.7	7.1	6.6	6.5	6.4	5.8	6.6		
17680	7.0	7.3	7.4	7.9	7.4	7.6	7.6	7.6	7.0	6.0	6.6	7.0	6.5	7.6	6.9	7.5	6.6			
17681	5.9	5.9	6.6	6.0	5.3	6.5	5.6	6.2	6.6	5.9	5.7	6.0	5.9	6.1	5.7	5.7				
17690	6.8	5.0	6.3	7.0	6.1	6.4	5.9	6.7	6.4	5.7	6.2	5.7	5.9	5.9	7.0	5.6	6.3	6.3		
17694	6.5	6.4	5.7	6.1	6.0	6.2	6.4	6.5	6.0	6.5	6.2	5.5	5.6	5.2	5.8	FD 1				
17695	5.9	6.0	6.2	6.0	5.6	6.1	5.6	5.7	5.7	5.9	5.8	5.2	5.7	5.8	5.7					
17703	5.7	5.8	5.6	5.7	5.4	5.2	5.7	5.1	MD 1	MS	5.8	4.7	5.5	5.3	5.5	5.0	5.4	5.1	5.5	5.3
17713	6.6	6.6	6.5	6.8	6.3	6.3	6.1	6.7	6.3	6.3	6.1	6.2	6.9	6.2						
17715	7.0	9.0	8.0	7.1	8.9	7.3	8.9	8.8	8.4	9.0	8.5	8.6	8.0							
17716	7.4	7.1	7.1	7.2	7.3	7.3	6.9	7.3	6.9	6.8	6.6	6.1	7.3	6.8						
17717	6.0	6.2	6.5	6.5	6.1	5.3	5.9	5.9	6.4	5.8	6.4	6.4	6.0							
17719	6.3	6.3	6.6	6.0	6.8	5.2	5.7	6.6	6.2	5.5	5.9	6.2	6.6	5.6	6.2	6.1	5.9	6.1		

ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C42 (PAGE 2): PUP BODY WEIGHTS FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23																	
<hr/>																				
RAT/ LITTER #	MATERNAL DOSAGE GROUP II	LOW DOSAGE	10 MG/KG/DAY	POSTPARTUM DAY 1																
17663	NOT PREGNANT																			
17665	7.1	6.9	7.3	7.4	6.7	6.7	7.1	7.3	6.9	6.8	6.8	6.9	7.3	6.7	6.7					
17666	6.3	6.4	6.3	6.2	5.6	5.9	6.2	6.1	5.5	5.9	6.1	6.0	5.9	5.9						
17668	6.2	6.5	6.3	6.4	5.6	6.3	6.4	5.8	5.9	5.8	6.0	5.6	5.7	6.1	6.0	6.0				
17671	6.8	6.5	6.0	6.9	6.3	6.4	6.2	6.6	6.5	6.3	6.2	6.5	6.5							
17675	6.1	6.3	5.4	6.2	6.1	6.6	6.5	5.8	6.0	5.5	6.1	5.7	6.2	5.9	5.5	6.1	5.9	6.0		
17679	7.4	7.3	7.2	7.4	7.4	6.8	6.9	7.6	6.9											
17684	6.7	6.5	6.6	7.1	7.2	6.9	6.8	7.0	6.7	7.0	6.7	6.4	6.2	6.5	6.3	6.9				
17688	6.3	6.0	6.1	6.1	6.2	6.4	6.4	5.0	5.3	5.7	5.9	5.7	5.3	5.8						
17698	7.0	6.2	6.0	3.8	6.6	7.5	6.6	7.0	5.8	6.2	6.2	6.6	6.4	6.6	6.9	6.0				
17702	6.0	6.0	6.1	6.5	6.4	6.0	6.2	6.5	5.5	6.2	5.4	5.6	5.9	6.2	5.1					
17704	6.3	5.7	5.8	4.9	6.5	6.6	6.3	5.5	6.0	6.8	5.1	6.4	5.7	6.1	6.1	6.3	6.3	6.1	6.2	
17707	6.6	6.4	5.8	6.0	6.1	5.3	6.1	5.5	6.1	5.3	5.8	6.2	5.9	6.3	6.0					
17708	6.1	6.1	6.2	5.9	5.6	6.6	6.5	6.3	6.4	5.8	6.2	5.4	6.0	5.7	5.9	6.2				
17710	6.7	6.7	7.2	6.6	6.9	6.6	6.3	7.1	5.7	6.3	6.3	6.9	7.0	6.7	6.1	6.3	6.1	6.3	5.6	

ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C42 (PAGE 3): PUP BODY WEIGHTS FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1 21	2 22	3 23	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RAT/ LITTER #	MATERNAL DOSAGE GROUP III					MIDDLE DOSAGE				50 MG/KG/DAY						POSTPARTUM DAY 1				
17661	6.5	6.8	6.6	6.4	6.7	6.7	6.8	6.3	7.6	7.0	6.0	6.4	5.2	6.1	6.6					
17667	6.9	6.8	6.5	8.7	6.5	7.5	6.9	6.5	5.6	7.8	6.7	6.4	8.3							
17669	6.6	7.1	5.7	5.6	5.4	6.1	6.1	6.0	6.1	6.1	6.2	6.1	6.1	5.5	6.2	5.9				
17670	6.9	6.2	7.1	7.5	6.6	7.4	6.7	7.5	6.8	7.4	6.1	6.9	5.1	6.9	7.0	7.1				
17676	6.6	6.5	6.6	5.8	5.0	6.7	6.2	6.0	6.7	6.8	6.4	6.0	6.4	6.2	6.1					
17687	6.6	6.8	6.5	6.0	6.9	7.0	7.2	7.2	6.2	6.7	6.1	6.7	6.5	6.0	6.5					
17693	5.5	6.4	6.4	6.8	6.6	6.9	6.5	6.1	6.8	MS	6.3	6.3	6.6	6.1	6.0	6.1	FS			
17697	6.7	6.7	6.5	6.5	6.7	6.7	6.1	6.6	6.2	5.7	6.5	6.4	5.3	6.5	6.8					
17700	6.2	6.9	7.0	6.5	6.6	6.9	5.8	7.0	6.8	6.1	6.2	6.2	6.0	6.4						
17701	7.2	6.7	7.5	7.0	7.3	6.5	6.7	6.7	6.7	7.0	6.7	7.3	6.6	6.3						
17705	6.7	7.1	6.8	6.9	7.3	7.4	7.4	MS	6.4	7.1	6.7	6.4	6.7	6.5	4.6	6.4	6.6	FS		
17706	7.3	7.4	7.4	6.9	7.3	6.7	6.9	7.1	6.6	7.6	6.6	6.6	6.6	6.4	6.7					
17709	5.9	5.8	5.8	5.7	6.4	6.0	6.1	6.0	5.1	5.6	5.6	5.5	5.8	5.5	5.8	5.2				
17718	7.1	6.6	6.1	6.1	6.0	7.0	6.7	6.6	6.1	6.5	6.5	6.1	5.9	6.1	6.6	6.5				
17720	6.0	6.5	4.4	6.5	6.9	6.9	6.4	6.7	6.5	6.0	6.9	6.1	6.3	5.7	6.6	5.8				

ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C42 (PAGE 4): PUP BODY WEIGHTS FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1 21	2 22	3 23	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV					HIGH DOSAGE					250 MG/KG/DAY					POSTPARTUM DAY 1						
17664	NOT PREGNANT; MATING NOT CONFIRMED																					
17677	MD 1	UU	UU	FD 1	FD 1	FD 1	UU															
17678	6.9	7.4	7.0	7.0	6.5	6.9	6.2	6.7	5.8	6.1	7.1	6.7										
17682	6.9	6.5	7.1	6.7	6.9	6.5	6.8	7.1	6.6	7.2	6.7	6.1	6.9	6.6								
17683	6.8	5.7	6.8	6.0	6.3	6.0	6.2	6.1	6.1	6.3	6.3	6.6	5.6	6.0	5.9	6.2						
17685	5.4	5.2	6.0	4.9	5.6	5.4	5.6	5.3	5.2	5.5	5.4	5.4	5.4	5.1	5.9	5.1	FS					
17686	NOT PREGNANT																					
17689	5.6	5.8	6.0	5.6	6.2	5.7	5.7	6.0	5.2	6.0	5.5	5.7	5.5	6.0	5.7	5.7	5.9	UU				
17691	7.1	7.8	6.6	7.3	6.9	7.4	6.4	7.1	6.5	6.9	7.4	7.3										
17692	6.0	5.4	5.4	5.6	5.3	6.7	5.7	MS	MS	5.7	5.5	5.7	5.5	5.2	5.2	5.2	5.9					
17696	4.5	5.0	5.1	4.8	4.6	4.7	4.5	4.1	4.1	4.6	5.2	4.1	4.6	FS	FS							
17699	5.8	5.5	6.2	5.5	5.4	6.2	5.4	6.5	5.4	5.2	5.8	5.4	5.5	5.6								
17711	5.0	4.9	4.8	4.9	4.8	MS	4.5	4.7	4.3	4.5	4.5	4.4	4.8									
17712	6.1	6.5	6.3	6.8	6.6	6.8	6.3	6.5	5.9	6.4	5.8	6.1	5.8									
17714	7.0	6.8	7.0	7.3	7.0	6.0	6.1	6.2	6.3	5.6	6.4	6.7	5.8	5.6	6.6	6.0						

ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C42 (PAGE 5): PUP BODY WEIGHTS FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23																	
<hr/>																				
<hr/>																				
RAT/ LITTER #	MATERNAL DOSAGE GROUP I	VEHICLE																		
		0 (VEHICLE) MG/KG/DAY																		
17662	11.6	11.1	10.2	10.5	11.7	11.1	11.2	11.7	11.6	8.2	10.2	10.5	10.3	10.4						
17672	9.8	10.8	11.2	11.0	11.6	10.5	10.5	11.1	11.6	10.6	9.0	9.1	9.7	10.0	10.6	9.7				
17673	8.4	7.7	8.8	9.0	9.8	8.2	9.3	8.9	8.8	8.7	8.0	8.4	8.0							
17674	9.3	9.7	8.1	9.8	8.7	9.5	9.5	8.8	9.8	9.7	8.2	9.6	8.6	8.4	8.8	9.0	8.7	8.6		
17680	11.8	11.6	10.8	11.9	11.7	10.8	11.4	11.0	10.8	10.9	10.6	11.4	9.7	10.1	11.7	9.7	10.0			
17681	10.1	10.6	9.7	9.2	10.9	9.1	9.1	11.0	8.2	9.4	9.0	9.6	9.9	9.9	9.6	9.2				
17690	10.7	10.2	10.5	10.5	7.0	10.5	9.2	10.2	9.5	10.9	9.2	9.3	9.4	9.4	9.3	9.2	9.6	9.0		
17694	10.9	10.5	9.9	10.4	10.0	9.5	8.6	10.1	11.0	9.5	10.5	9.7	8.4	9.0	8.5	FD 1				
17695	9.7	8.9	9.7	9.0	9.4	9.1	9.0	9.5	9.2	9.0	8.9	9.5	8.9	8.7	9.8					
17703	8.7	9.3	9.3	8.3	9.1	8.4	8.5	8.2	MD 1	MS	7.9	7.0	7.5	7.8	9.2	8.3	8.1	8.8	6.7	
																			8.2	
17713	10.1	10.4	9.5	9.3	10.9	10.4	10.0	9.8	9.6	10.6	10.1	10.0	10.2	9.5						
17715	12.2	11.1	10.8	12.4	12.5	12.7	12.2	10.4	12.6	12.3	12.6	12.3	12.3							
17716	9.6	9.9	9.7	8.5	9.7	8.9	9.6	9.4	8.2	9.5	9.4	10.0	8.4	9.2						
17717	8.6	7.6	9.9	9.2	8.9	8.6	8.6	8.5	9.0	9.5	8.3	8.9	9.3							
17719	9.2	8.6	6.7	7.9	6.6	9.0	9.8	7.0	9.7	7.8	8.6	7.5	8.8	8.3	8.8	8.0	9.4	8.8		

ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C42 (PAGE 6): PUP BODY WEIGHTS FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23																	
<hr/>																				
RAT/ LITTER #	MATERNAL DOSAGE GROUP II	LOW DOSAGE	10 MG/KG/DAY	POSTPARTUM DAY 5																
17663	NOT PREGNANT																			
17665	10.7	10.9	10.4	10.4	10.1	11.0	10.2	9.9	10.8	10.3	10.4	10.0	9.7	9.6	9.2					
17666	10.2	9.4	9.7	10.5	9.1	9.6	9.1	9.4	9.1	9.3	10.7	8.9	9.8	8.8						
17668	11.0	10.5	10.3	10.6	10.8	9.2	10.1	9.8	9.6	9.5	9.7	9.2	9.3	9.2	9.5	9.3				
17671	9.4	9.5	9.1	9.7	9.9	9.4	8.7	9.5	9.5	9.0	9.6	9.5	9.2							
17675	9.1	9.7	8.1	9.7	8.1	9.2	9.1	10.1	8.7	9.5	9.6	8.4	7.8	9.0	8.9	8.7	8.5	8.6		
17679	12.5	11.8	12.2	11.9	12.8	12.1	11.6	11.4	12.1											
17684	10.2	11.6	10.2	9.7	10.3	11.4	10.5	10.7	10.8	9.7	11.1	9.3	10.2	9.8	9.7	10.0				
17688	11.2	7.3	10.5	10.9	11.4	11.7	11.4	9.7	11.4	10.8	9.9	10.6	10.4	10.4						
17698	10.5	10.5	10.5	11.6	10.9	10.6	11.1	11.0	8.3	10.1	9.8	10.7	10.7	9.2	10.1	FD 2				
17702	10.4	10.3	10.0	9.4	9.2	9.2	10.3	10.0	10.4	8.6	9.4	8.2	8.4	9.2	9.2					
17704	7.6	9.2	9.1	9.0	10.3	9.3	10.0	9.8	9.2	8.8	7.9	9.1	8.0	8.5	10.7	10.0	9.0	8.9	9.4	
17707	11.1	8.3	10.4	10.1	11.1	10.1	9.3	10.5	10.8	9.3	10.5	11.1	9.1	10.7	10.3					
17708	10.4	11.5	10.6	10.1	10.9	10.5	10.2	10.1	9.0	8.5	9.9	10.6	9.9	9.3	9.2	9.7				
17710	10.9	10.5	9.0	10.3	10.3	11.3	9.6	10.6	10.5	10.2	11.4	11.3	MM 2	10.3	10.3	10.2	8.5	10.4	9.1	

ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

FIRST LETTER --- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C42 (PAGE 7): PUP BODY WEIGHTS FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	21	22	23																	
<hr/>																				
RAT/ LITTER #	MATERNAL DOSAGE GROUP III	MIDDLE DOSAGE	50 MG/KG/DAY	POSTPARTUM DAY 5																
17661	9.8	9.4	10.0	9.7	10.8	10.1	9.6	10.3	9.4	9.3	9.7	9.1	7.9	7.6	8.7					
17667	9.7	10.6	11.8	10.0	9.8	13.6	10.2	9.7	12.0	7.8	10.0	12.2	9.3							
17669	10.4	10.5	8.5	7.6	9.2	9.0	8.6	9.8	9.3	9.0	9.5	8.2	9.5	9.6	9.6	9.6	8.2			
17670	9.5	9.9	9.8	10.3	9.0	8.6	8.8	9.6	9.2	9.8	9.8	9.5	8.3	7.5	9.2	9.2	9.2			
17676	9.3	9.8	10.0	9.2	9.8	9.8	8.6	7.9	9.2	9.6	9.1	9.6	9.0	9.1	7.8					
17687	12.7	11.2	11.7	12.5	12.4	11.7	12.0	11.6	12.1	11.7	12.5	11.7	11.5	11.3	11.7					
17693	10.4	10.3	9.6	10.6	10.1	10.3	9.0	10.1	9.3	MS	8.8	9.6	9.7	9.9	10.1	FM 3	FS			
17697	9.9	9.8	9.9	10.2	10.1	9.7	9.8	10.3	9.9	10.0	9.2	9.2	9.5	10.5	7.5					
17700	11.2	11.7	9.7	10.8	12.5	12.6	10.9	11.8	10.5	10.4	11.1	11.1	10.9	9.8						
17701	10.6	10.5	11.3	11.8	10.4	11.0	8.7	10.2	10.6	10.8	10.3	9.5	9.5	8.4						
17705	11.5	9.9	12.2	11.6	9.2	10.3	11.2	MS	9.2	8.1	9.5	10.1	9.4	7.1	9.7	10.6	7.7	FS		
17706	12.3	12.3	12.1	12.4	11.2	10.9	12.7	12.8	11.3	11.4	12.0	11.0	11.3	11.6	FD 5					
17709	9.6	9.5	8.5	9.0	8.3	8.6	9.5	8.6	8.3	7.8	9.2	9.3	8.2	7.8	8.4	8.6				
17718	8.3	10.7	10.1	9.9	9.7	9.4	9.9	10.5	10.6	9.6	7.1	10.3	10.1	9.0	9.9	9.5				
17720	11.3	11.4	10.5	5.7	10.9	10.4	9.4	11.4	10.7	9.5	10.2	11.0	11.3	11.0	11.7	10.1				

ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C42 (PAGE 8): PUP BODY WEIGHTS FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1 21	2 22	3 23	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
RAT/ LITTER #	MATERNAL DOSAGE GROUP IV					HIGH DOSAGE					250 MG/KG/DAY					POSTPARTUM DAY 5						
17664	NOT PREGNANT; MATING NOT CONFIRMED																					
17677	MD 1	UU	UU	FD 1	FD 1	FD 1	UU															
17678	11.0	10.5	11.2	10.7	11.3	10.5	9.4	10.3	10.4	11.4	9.8	11.0										
17682	11.7	11.6	11.9	11.4	11.4	10.8	11.0	11.9	11.5	10.6	11.4	11.4	10.9	10.5								
17683	8.4	8.5	7.7	7.3	7.7	8.2	7.0	7.3	7.0	7.5	7.6	7.2	7.3	7.1	7.3	6.9						
17685	7.2	7.6	MM 2	7.9	6.8	7.1	8.2	8.7	7.3	7.5	6.8	8.2	7.9	8.2	8.1	7.5	FS					
17686	NOT PREGNANT																					
17689	9.1	8.9	8.9	9.2	9.5	9.4	9.9	9.3	8.6	8.5	9.8	9.3	9.0	9.1	9.3	9.2	9.5	UU				
17691	9.9	9.3	9.4	10.8	10.3	10.2	10.0	10.2	9.5	8.6	8.2	10.1										
17692	8.1	7.9	8.1	8.8	7.8	7.8	8.5	MS	MS	8.1	8.0	8.6	8.2	8.0	8.1	7.2						
17696	MD 2	MD 2	MD 2	MD 2	FD 2	FD 2	FD 2	FD 2	FD 2	FM 2	FM 2	FM 2	FM 2	FM 2	FS	FS						
17699	8.9	9.0	8.4	8.9	9.0	8.9	10.0	MM 2	8.7	9.0	9.2	8.8	8.4	8.6								
17711	MD 2	MD 2	MD 2	MD 2	MM 2	MS	FD 2	FD 2	FD 2	FD 2												
17712	11.4	10.9	10.6	11.5	10.8	10.1	10.8	11.6	9.4	9.8	11.0	9.7	9.4									
17714	10.7	9.9	10.3	10.8	11.0	8.4	8.7	9.3	9.0	9.7	9.8	9.5	8.7	9.4	9.6	FM 2						

ALL WEIGHTS WERE RECORDED IN GRAMS (G). MEAN LITTER WEIGHTS INCLUDE ONLY WEIGHTS OF LIVE PUPS.

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C43 (PAGE 1): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
RAT/ LITTER #	MATERNAL DOSAGE GROUP I					VEHICLE					0 (VEHICLE) MG/KG/DAY													
17662	M	A	M	A	M	A	M	A	M	F	A	F	A	F	A	F	A	F	A	F	A	F	A	
17672	M	A	M	A	M	A	M	A	M	M	A	M	A	F	A	F	A	F	A	F	A	F	A	
17673	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	
17674	M	A	M	A	M	A	M	A	M	M	A	M	A	M	A	F	A	F	A	F	A	F	A	
17680	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	F	
17681	M	A	M	A	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	
17690	M	A	M	A	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	
17694	M	A	M	A	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	
17695	M	A	M	A	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	D	1	
17703	M	A	M	A	M	A	M	A	M	A	M	D	1	M	S	F	A	F	A	F	A	F	A	F
17713	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	
17715	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	F	
17716	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	F	
17717	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	
17719	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	F	

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C43 (PAGE 2): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
<hr/>																								
RAT/ LITTER #	MATERNAL DOSAGE GROUP II									LOW DOSAGE								10 MG/KG/DAY						
17663	NOT PREGNANT																							
17665	M A M A M A M A M A M A M A F A F A F A F A F A F A F A F A F A																							
17666	M A M A M A M A F A F A F A F A F A F A F A F A F A F A F A																							
17668	M A M A M A M A M A M A M A F A F A F A F A F A F A F A F A F A																							
17671	M A M A M A M A M A F A F A F A F A F A F A F A F A F A F A																							
17675	M A M A M A M A M A M A M A M A M A M A M A M A M A F A F A F A F A																							
17679	M A M A M A M A F A F A F A F A F A F A F A F A F A F A F A																							
17684	M A M A M A M A M A M A M A M A F A F A F A F A F A F A F A																							
17688	M A M A M A M A M A M A M A M A F A F A F A F A F A F A																							
17698	M A M A M A M A M A M A M A M A M A F A F A F A F A F A F A FD 2																							
17702	M A M A M A M A M A M A M A M A M A F A F A F A F A F A F A																							
17704	M A M A M A M A M A M A M A M A M A M A M A M A M A F A F A F A F A																							
17707	M A M A M A M A M A M A F A F A F A F A F A F A F A F A																							
17708	M A M A M A M A M A M A M A M A M A M A F A F A F A F A F A F A																							
17710	M A M A M A M A M A M A M A M A M A M A M A M A M A MM 2 F A F A F A F A F A																							

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C43 (PAGE 3): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

PUP #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
RAT/ LITTER #	MATERNAL DOSAGE GROUP III						MIDDLE DOSAGE						50 MG/KG/DAY										
17661	M	A	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	
17667	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	
17669	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	
17670	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	
17676	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	
17687	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	
17693	M	A	M	A	M	A	M	A	M	A	F	A	M	S	F	A	F	A	F	A	F	A	
17697	M	A	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	S	
17700	M	A	M	A	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	
17701	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	
17705	M	A	M	A	M	A	M	A	M	S	F	A	F	A	F	A	F	A	F	A	F	S	
17706	M	A	M	A	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	D	
17709	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	
17718	M	A	M	A	M	A	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	
17720	M	A	M	A	M	A	M	A	M	A	F	A	F	A	F	A	F	A	F	A	F	A	

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C43 (PAGE 4): PUP VITAL STATUS AND SEX FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

FIRST LETTER -- M-MALE, F-FEMALE, U-SEX UNDETERMINABLE

SECOND LETTER -- A-ALIVE, S-STILLBORN, U-UNCERTAIN, D-DIED, M-MISSING (PRESUMED CANNIBALIZED)

NUMBER FOLLOWING "SECOND LETTER" INDICATES THE DAY POSTPARTUM THE EVENT OCCURRED.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C44 (PAGE 1): CLINICAL OBSERVATIONS FROM BIRTH TO DAY 5 POSTPARTUM - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY(S) POSTPARTUM	OBSERVATIONS a
I 0 (VEHICLE)	17690	1- 2	1/18 PUPS: HEAD, BRUISE (DID NOT EXCEED 0.8 CM X 0.3 CM).
II 10	17688	1- 4 1- 2 3- 5	1/14 PUPS: BACK, BRUISE (DID NOT EXCEED 0.5 CM X 1.0 CM). 1/14 PUPS: LOWER MIDLINE, BRUISE (DID NOT EXCEED 1.5 CM X 2.0 CM); PALE. 1/14 PUPS: LOWER MIDLINE, BRUISE (DID NOT EXCEED 1.5 CM X 1.0 CM).
III 50	17720	1- 2	1/16 PUPS: NECK, BRUISE (DID NOT EXCEED 2.0 CM X 2.5 CM).
IV 250	17683 17685 17696 17699	1- 4 1 2- 3 1 4	1/16 PUPS: BACK, BRUISE (DID NOT EXCEED 2.0 CM X 1.5 CM). 1/16 PUPS: CHEST AND NECK, BRUISE (1.0 CM IN DIAMETER). 1/15 PUPS: CHEST AND NECK, BRUISE (1.0 CM IN DIAMETER). 2/15 PUPS: MOUTH, BRUISE (0.2 CM X 0.1 CM). 2/13 PUPS: COLD TO TOUCH; NOT NESTING OR NURSING.

a. Tabulation restricted to adverse observations; all other pups appeared normal.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C45 (PAGE 1): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
I			
0 (VEHICLE)	17662	5	14 PUPS: APPEARED NORMAL.
	17672	5	16 PUPS: APPEARED NORMAL.
	17673	5	13 PUPS: APPEARED NORMAL.
	17674	5	18 PUPS: APPEARED NORMAL.
	17680	5	17 PUPS: APPEARED NORMAL.
	17681	5	16 PUPS: APPEARED NORMAL.
	17690	5	18 PUPS: APPEARED NORMAL.
	17694	1	1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL.
		5	15 PUPS: APPEARED NORMAL.
	17695	5	15 PUPS: APPEARED NORMAL.
	17703	1	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL.
		5	1 PUP: FOUND DEAD. NO MILK IN STOMACH. 19 PUPS: APPEARED NORMAL.
	17713	5	14 PUPS: APPEARED NORMAL.
	17715	5	13 PUPS: APPEARED NORMAL.
	17716	5	14 PUPS: APPEARED NORMAL.
	17717	5	13 PUPS: APPEARED NORMAL.
	17719	5	18 PUPS: APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C45 (PAGE 2): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
II 10	17665	5	15 PUPS: APPEARED NORMAL.
	17666	5	14 PUPS: APPEARED NORMAL.
	17668	5	16 PUPS: APPEARED NORMAL.
	17671	5	13 PUPS: APPEARED NORMAL.
	17675	5	18 PUPS: APPEARED NORMAL.
	17679	5	9 PUPS: APPEARED NORMAL.
	17684	5	16 PUPS: APPEARED NORMAL.
	17688	5	14 PUPS: APPEARED NORMAL.
	17698	2	1 PUP: FOUND DEAD. AUTOLYSIS PRECLUDED FURTHER EVALUATION.
		5	15 PUPS: APPEARED NORMAL.
	17702	5	15 PUPS: APPEARED NORMAL.
	17704	5	1 PUP: KIDNEYS: BILATERAL, PELVIS, SLIGHT DILATION. ALL OTHER TISSUES APPEARED NORMAL. 18 PUPS: APPEARED NORMAL.
	17707	5	15 PUPS: APPEARED NORMAL.
	17708	5	16 PUPS: APPEARED NORMAL.
	17710	5	18 PUPS: APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

TABLE C45 (PAGE 3): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
III 50	17661	5	15 PUPS: APPEARED NORMAL.
	17667	5	13 PUPS: APPEARED NORMAL.
	17669	5	16 PUPS: APPEARED NORMAL.
	17670	5	16 PUPS: APPEARED NORMAL.
	17676	5	15 PUPS: APPEARED NORMAL.
	17687	5	15 PUPS: APPEARED NORMAL.
	17693	1	2 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
		5	14 PUPS: APPEARED NORMAL.
	17697	5	15 PUPS: APPEARED NORMAL.
	17700	5	14 PUPS: APPEARED NORMAL.
	17701	5	14 PUPS: APPEARED NORMAL.
	17705	1	2 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL.
		5	16 PUPS: APPEARED NORMAL.
	17706	5	1 PUP: FOUND DEAD. AUTOLYSIS PRECLUDED FURTHER EVALUATION. 14 PUPS: APPEARED NORMAL.
	17709	5	16 PUPS: APPEARED NORMAL.
	17718	5	16 PUPS: APPEARED NORMAL.
	17720	5	16 PUPS: APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C44) for external clinical observations confirmed at necropsy.

PROTOCOL 418-027: ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST (SPONSOR'S STUDY NUMBER: T-7599)

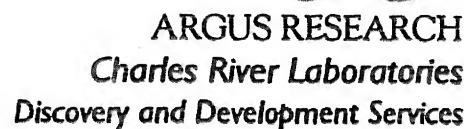
TABLE C45 (PAGE 4): NECROPSY OBSERVATIONS - INDIVIDUAL DATA - F1 GENERATION PUPS

MATERNAL DOSAGE GROUP MATERNAL DOSAGE (MG/KG/DAY)	LITTER NUMBER	DAY POSTPARTUM	OBSERVATIONS a
IV 250	17677	1	1 PUP: FOUND DEAD. NO MILK IN STOMACH. ALL TISSUES APPEARED NORMAL. 1 PUP: FOUND DEAD. ALL TISSUES APPEARED NORMAL. 2 PUPS: FOUND DEAD. NO MILK IN STOMACH. AUTOLYSIS PRECLUDED FURTHER EVALUATION.
	17678	5	12 PUPS: APPEARED NORMAL.
	17682	5	14 PUPS: APPEARED NORMAL.
	17683	5	16 PUPS: APPEARED NORMAL.
	17685	1 5	1 PUP: STILLBORN. ALL TISSUES APPEARED NORMAL. 15 PUPS: APPEARED NORMAL.
	17689	5	17 PUPS: APPEARED NORMAL.
	17691	5	12 PUPS: APPEARED NORMAL.
	17692	1 5	2 PUPS: STILLBORN. ALL TISSUES APPEARED NORMAL. 14 PUPS: APPEARED NORMAL.
	17696	1 2	2 PUPS: STILLBORN. AUTOLYSIS PRECLUDED FURTHER EVALUATION. 3 PUPS: FOUND DEAD. AUTOLYSIS PRECLUDED FURTHER EVALUATION. 6 PUPS: FOUND DEAD. CANNIBALIZATION PRECLUDED FURTHER EVALUATION.
	17699	5	13 PUPS: APPEARED NORMAL.
	17711	1 2	1 PUP: STILLBORN. AUTOLYSIS PRECLUDED FURTHER EVALUATION. 11 PUPS: FOUND DEAD. AUTOLYSIS PRECLUDED FURTHER EVALUATION.
	17712	5	13 PUPS: APPEARED NORMAL.
	17714	5	15 PUPS: APPEARED NORMAL.

a. Complete necropsies were not performed on pups in which autolysis or cannibalization precluded evaluation. Refer to the individual pup clinical observations table (Table C44) for external clinical observations confirmed at necropsy.

APPENDIX D
PROTOCOL AND AMENDMENTS

905 Sheehy Drive, Bldg. A
 Horsham, PA 19044
 Telephone: (215) 443-8710
 Telefax: (215) 443-8587



PROTOCOL 418-027

SPONSOR'S STUDY NUMBER: T-7599

STUDY TITLE: Oral (Gavage) Combined Repeated Dose Toxicity Study of T 7599.7 with the Reproduction/Developmental Toxicity Screening Test

PURPOSE: The purpose of this study is to provide information on the possible health hazards that may result from repeated exposure of CrI:CD®(SD)IGS BR VAF/Plus® male and female rats to a test substance beginning before cohabitation, through mating and continuing for at least 28 days (male rats) or through parturition until day 4 or 5 of lactation (female rats). This repeated dose study incorporates a reproduction/developmental toxicity screening test that can be used to provide initial information on possible effects on male and female reproductive performance (e.g., gonadal function, mating behavior, conception, development of the conceptus and parturition). The study also places emphasis on neurological effects as a specific endpoint and should identify the neurotoxic potential of a test substance, which may warrant further in-depth investigation.

Because of the selectivity of the endpoints and the short duration of the study, the screening test will not provide evidence for definitive claims of no reproduction/developmental effects. In particular, it offers only limited means of detecting postnatal manifestations of prenatal exposure or effects that may be induced during postnatal exposure.

TESTING FACILITY: Argus Research
 905 Sheehy Drive, Building A
 Horsham, Pennsylvania 19044-1297
 Telephone: (215) 443-8710
 Telefax: (215) 443-8587

STUDY DIRECTOR: Raymond G. York, Ph.D., DABT
 Associate Director of Research
 Address as cited above for Testing Facility.
 Email: raymond.york@criver.com

SPONSOR: 3M Corporate Toxicology
3M Center, Building 220-2E-02
St. Paul, Minnesota 55144-1000

STUDY MONITOR: Paul H. Lieder, Ph.D., DABT
3M Corporate Toxicology
3M Medical Department
Telephone: (651) 737-2678
Telefax: (651) 733-1773
Email: phlieder1@mmm.com

REGULATORY CITATIONS:

Organisation for Economic Co-operation and Development (1996). *OECD Guideline for Testing of Chemicals*. Section 4, No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test, adopted 22 March 1996.

Organisation for Economic Co-operation and Development (1998). The Revised OECD Principles of Good Laboratory Practices [C(97)186/Final].

U.S. Food and Drug Administration. Good Laboratory Practice Regulations; Final Rule. 21 CFR Part 58.

Japanese Ministry of Health and Welfare (1997). *Good Laboratory Practice Standard for Safety Studies on Drugs*, MHW Ordinance Number 21, March 26, 1997.

REGULATORY COMPLIANCE:

This study will be conducted in compliance with the Good Laboratory Practice (GLP) regulations cited above with the exception of analysis of blood and liver samples sent to Southern Research Institute for metabolite analysis.

All changes or revisions of this protocol shall be documented, signed by the Study Director and the Sponsor, dated and maintained with the protocol.

The Testing Facility's Quality Assurance Unit (QAU) will audit the protocol, the raw data and the report, and will inspect critical phases of those portions of the study conducted at the Testing Facility in accordance with the Standard Operating Procedures of the Testing Facility.

The final report will include a compliance statement signed by the Study Director that the report accurately reflects the raw data obtained during the performance of the study and that all applicable GLP regulations were followed in the conduct of the study. Should significant deviations from GLP regulations occur, each will be described in detail, together with how the deviation might affect the quality or integrity of the study.

Should any portion of the study be conducted by a subcontractor or by the Sponsor, the Study Director will ensure that a qualified Principal Investigator is identified by the facility conducting that portion of the study. The QAU for that facility will conduct critical phase inspections and audit respective results and reports for that study portion according to the SOPs of that facility. Such critical phase inspection reports and report audits will be submitted by that facility to the Principal Investigator and the Study Director. The dates of the inspections and report submissions will be incorporated into a QAU Statement generated by that facility and provided to the Testing Facility for inclusion in the final report. In addition, that facility will provide a statement of GLP compliance, as described above, signed by the Principal Investigator for inclusion in the final report.

SCHEMATIC OF STUDY DESIGN AND STUDY SCHEDULE:

See ATTACHMENT 1 to the protocol.

TEST SUBSTANCE AND VEHICLE:

Identification:

Test Substance:

T 7599.7. Lot identification to be documented in the raw data.

The Sponsor will provide to the Testing Facility documentation or certification of the identity, composition, method of synthesis, strength and activity/purity of the test substance. This documentation will be included in the final report.

Vehicle:

Aqueous 0.5% carboxymethylcellulose (CMC) (medium viscosity) prepared using reverse osmosis membrane processed deionized water (R.O. deionized water). Lot identification to be documented in the raw data.

Neither the Sponsor nor the Study Director is aware of any potential contaminants likely to be present in the vehicle that would interfere with the results of this study. Therefore, no analyses other than those mentioned in this protocol will be conducted.

Safety Precautions:

Gloves, dust-mist/HEPA-filtered mask, appropriate eye protection and uniform/lab coat to be worn during formulation preparation and dosage. The Material Safety Data Sheet (MSDS) will be included in the raw data.

Storage:

Bulk Test Substance: Room temperature, protected from light.
Bulk Vehicle Components: Room temperature.
Prepared Test Substance and
Vehicle Formulations: Room temperature, protected from light.

All test substance shipments to the Testing Facility should be addressed to the attention of Julian Gulbinski, Manager of Formulation Laboratory, at the previously cited address and telephone number.

Shipments should include information concerning storage conditions and shipping cartons should be labeled appropriately. The recipient should be notified in advance of shipment.

FORMULATION:**Frequency of Preparation:**

Formulations (suspensions) will be prepared weekly at the Testing Facility.

Detailed preparation procedures are attached to this protocol (ATTACHMENT 2).

Adjustment for Purity:

The test substance will be considered 100% pure for the purpose of dosage calculations.

Testing Facility Reserve Samples:

The Testing Facility will reserve a sample (approximately 1 g) of each lot of bulk test substance and bulk vehicle components used during the course of the study. Samples will be stored under the previously cited conditions.

ANALYSES:

Results of required analyses will be provided to the Testing Facility for inclusion in the study report.

Samples additional to those described below may be taken if deemed necessary during the course of the study. Additional analyses, if required, will be documented by protocol amendment.

Bulk Test Substance Sampling:

A sample (approximately 1 g) of the test substance will be taken on the last day of treatment and sent (ambient conditions, protected from light) to the Sponsor for analysis. This sample will be sent to:

Principal Investigator: Gregory S. Gorman, Ph.D.
Staff Chemist
Bioanalytical Chemistry Group
Southern Research Institute
2000 Ninth Avenue South
Birmingham, Alabama 35255-5305

Telephone: (205) 581-2725
Telefax: (205) 581-2044
Email: gorman@sri.org

The recipient will be notified in advance of sample shipment.

Analyses of Prepared Formulations:**Concentration and Homogeneity:**

Concentration and homogeneity of the prepared formulations will be verified during the course of this study. Quadruplicate samples (2 mL each) will be taken from the top, middle and bottom of each concentration on the first day of preparation. Two samples from each quadruplicate set will be shipped for analysis; the remaining samples will be retained at the Testing Facility as backup samples. Quadruplicate samples will be taken from each concentration on the last day of preparation. Two samples from each quadruplicate set will be shipped for analysis; the remaining samples will be retained as backup samples. Backup samples will be stored under the previously cited conditions and discarded at the Testing Facility upon the request of the Sponsor.

Stability:

Stability of the prepared formulations will be documented during this study. Two sets of duplicate samples (2 mL each) from each concentration will be taken on the first day of preparation. One sample of each duplicate set will be shipped on the day of preparation. These samples will be analyzed at the following time points: as soon after preparation as possible and ten days after the first analysis. The remaining samples will be retained at the Testing Facility as backup samples. Backup samples will be stored under the previously cited conditions and discarded at the Testing Facility upon the request of the Sponsor.

Shipping Instructions:

Samples to be analyzed will be shipped (ambient conditions) to:

Gregory S. Gorman, Ph.D.
Staff Chemist
Bioanalytical Chemistry Group
Southern Research Institute
2000 Ninth Avenue South
Birmingham, Alabama 35255-5305

Telephone: (205) 581-2725
Telefax: (205) 581-2044
Email: gorman@sri.org

The recipient will be notified in advance of sample shipment.

DISPOSITION:

Prepared formulations will be discarded at the Testing Facility. All remaining bulk test substance will be returned to the Sponsor at the previously cited address.

TEST SYSTEM:**Species/Strain and Reason for Selection:**

The CrI:CD®(SD)IGS BR VAF/Plus® rat was selected as the Test System because: 1) it is one mammalian species accepted for use in toxicity studies and it has been widely used throughout industry; 2) this strain of rat has been demonstrated to be sensitive to reproductive and developmental toxins; and 3) historical data and experience exist at the Testing Facility⁽¹⁻³⁾.

Number:

Initial population acclimated: 70 male and 70 virgin female rats.
Population selected for study: 60 male and 60 virgin female rats (15 per sex per dosage group).

Body Weight and Age:

Male rats will be ordered to weigh from 300 g to 325 g each at receipt, at which time they will be expected to be at least 60 days of age. Female rats will be ordered to weigh from 200 g to 225 g each at receipt, at which time they will be expected to be at least 60 days of age. Actual body weights will be recorded the day after receipt and will be documented in the raw data. The weight ranges will be included in the final report. At study initiation, the weight variation of the rats will not exceed ±20% of the mean weight of each sex.

Sex:

Both male and female rats will be evaluated.

Source:

Charles River Laboratories, Inc.

The rats will be shipped in filtered cartons by air freight and/or truck from Charles River Laboratories, Inc., to the Testing Facility.

Identification:

Rats are permanently identified using Monel® self-piercing ear tags (Gey Band and Tag Co., Inc., No. MSPT 20101). Male and female rats are assigned temporary numbers at receipt and given unique permanent identification numbers when assigned to the study before administration of the first dosage. Pups will not be individually identified during lactation; all parameters will be evaluated in terms of the litter.

ANIMAL HUSBANDRY:

All cage sizes and housing conditions are in compliance with the *Guide for the Care and Use of Laboratory Animals*⁽⁴⁾.

Housing:

F0 generation rats will be individually housed in stainless steel, wire-bottomed cages, except during the cohabitation and postpartum periods. During cohabitation, each pair of rats will be housed in the male rat's cage. Beginning no later than day 20 of presumed gestation, F0 generation female rats will be individually housed in nesting boxes. Each dam and delivered litter will be housed in a common nesting box during the postpartum period.

Nesting Material:

Nesting material (bed-o'cobs®) will be provided.

Bedding will be changed as often as necessary to keep the animals dry and clean. Analyses for possible contamination are conducted semi-annually and documented in the raw data.

Room Air, Temperature and Humidity:

The animal room is independently supplied with at least ten changes per hour of 100% fresh air that has been passed through 99.97% HEPA filters. Room temperature will be maintained at 66°F to 77°F (19°C to 25°C) and monitored constantly. Room humidity will also be monitored constantly and maintained at 30% to 70%.

Light:

An automatically controlled 12-hour light:12-hour dark fluorescent light cycle will be maintained. Each dark period will begin at 1900 hours EST. The light cycle may be adjusted by the Study Director or designee if deemed necessary to accommodate scheduled laboratory activities. Any such adjustment will be documented in the raw data.

Diet:

Rats will be given Certified Rodent Diet® #5002 (PMI Nutrition International), available *ad libitum* from individual feeders except during fasting.

Water:

Water will be available *ad libitum* from individual bottles attached to the cages or from an automatic watering access system. All water will be from a local source and passed through a reverse osmosis membrane before use. Chlorine will be added to the processed water as a bacteriostat; processed water is expected to contain no more than 1.2 ppm chlorine at the time of analysis. Water is analyzed monthly for possible bacterial contamination and twice annually for possible chemical contamination.

Contaminants:

Neither the Sponsor nor the Study Director is aware of any potential contaminants likely to be present in the certified diet, in the drinking water or in the nesting materials at levels that would interfere with the results of this study. Therefore, no analyses other than those routinely performed by the feed supplier or those mentioned in this protocol will be conducted.

DAY NUMBERING SYSTEM:

Gestation day 0 is defined as the day spermatozoa are observed in a smear of the vaginal contents and/or a copulatory plug observed *in situ*.

The day of birth is designated lactation day 0 (postpartum day 0) in the Health Effects Test Guidelines - Reproduction and Fertility Effects (Office of Prevention, Pesticides and Toxic Substances 870.3800, August, 1998) and in the OECD Guideline for the Testing of Chemicals - Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test (Section 4, No. 422, 22 March 1966). This same day is designated day 1 postpartum (day 1 of lactation) in the Standard Operating Procedures of the Testing Facility. Throughout this protocol, the day of birth will be designated day 1 postpartum (day 1 of lactation) and all subsequent ages of the F1 generation rats and days of the lactation period will be determined and cited accordingly.

RANDOMIZATION AND COHABITATION:

Upon arrival, rats will be assigned to individual housing on the basis of computer-generated random units. After an acclimation period of at least five days, male and female rats will be selected for study on the basis of physical appearance and body weights recorded during acclimation. The rats will be assigned to dosage groups based on computer-generated (weight-ordered) randomization procedures.

Within each dosage group, consecutive order will be used to assign rats to cohabitation, one male rat per female rat. The cohabitation period will consist of a maximum of 14 days. Female rats with spermatozoa observed in a smear of the vaginal contents and/or a copulatory plug observed *in situ* will be considered to be at day 0 of presumed gestation and assigned to individual housing. Female rats not mated within the first seven days of cohabitation will be assigned alternate male rats that have mated (same dosage group) and will remain in cohabitation for a maximum of seven additional days.

Day 1 of lactation (postpartum) is defined as the day of birth and is also the first day on which all pups in a litter are individually weighed (pup body weights will be recorded after all pups in a litter are delivered and groomed by the dam).

Within each dosage group, consecutive order will be used to assign the first five male and the first five female rats to a functional observational battery (FOB) and motor activity assessment. The next five rats per sex in each group will be assigned to hematology and clinical biochemistry evaluations. The last five rats per sex in each group will be assigned to metabolite analysis. Histological evaluations will be performed on the last ten rats per sex in each group.

ADMINISTRATION:**Route and Reason for Choice:**

The oral (gavage) route was selected for use because: 1) in comparison with the dietary route, the exact dosage can be accurately administered; and 2) it is one possible route of human exposure.

Method and Frequency:

Dosages will be adjusted daily for body weight changes and given at approximately the same time each day.

Male rats will be given the test substance and/or the vehicle once daily beginning 14 days before cohabitation (maximum 14 days) and continuing until sacrifice, after completion of the cohabitation period, after a minimum of 28 days of dosage.

Female rats will be given the test substance and/or the vehicle once daily beginning 14 days before cohabitation (maximum 14 days) and continuing until the day before scheduled sacrifice on day 6 of lactation.

Pups will not be directly given the test substance or the vehicle but may be possibly exposed to the test substance during maternal gestation (*in utero* exposure) or via maternal milk during the lactation period.

Rationale for Dosage Selection:

Dosages will be selected by the Sponsor based on previous studies conducted with the test substance, taking into account possible differences in sensitivity between pregnant and nonpregnant rats. The highest dosage will be expected to cause toxic effects but not mortality or obvious suffering. The descending sequence of the lower dosage levels will be selected for the purpose of demonstrating any dosage-related response, with no adverse effects expected at the lowest level.

Dosage Levels, Concentrations and Volumes:

Dosage Group	Number Of Rats Per Sex	Dosage (mg/kg/day)	Concentration (mg/mL)	Dosage Volume (mL/kg)	Argus Batch Number
I	15	0 (Vehicle)	0	10	B-418-027-A(Day.Month.Year)
II	15	10	1	10	B-418-027-B(Day.Month.Year)
III	15	50	5	10	B-418-027-C(Day.Month.Year)
IV	15	250	25	10	B-418-027-D(Day.Month.Year)

The test substance will be considered 100% pure for the purpose of dosage calculations.

TESTS, ANALYSES AND MEASUREMENTS - Fo GENERATION:

Viability - Male and Female Rats:

All Periods: At least twice daily.

Clinical Observations and/or General Appearance - Male and Female Rats:

Acclimation Period: Weekly.

Dosage Period: Daily before dosage. On the first day of dosage, postdosage observations will be recorded at approximately hourly intervals after administration for the first four hours and at the end of the normal working day. Postdosage observations for subsequent days of dosage will be recorded at intervals determined appropriate by the Study Director and/or Study Monitor after determination of the onset of peak pharmacologic/toxicologic effects.

Postdosage Period: Before sacrifice.

Maternal Behavior: Days 1 and 5 postpartum. Observed abnormal behavior recorded daily.

Clinical observations may be recorded more frequently than cited above, if deemed appropriate by the Study Director and/or Study Monitor.

Detailed Clinical Observations - Male and Female Rats:

Once before the first dosage and at least once weekly thereafter, detailed clinical observations will be conducted for all male and female rats. These observations will be made outside the cage in a standard arena at the same time each day of conduct. Effort will be made to ensure that variations in the test conditions are minimal and that observations are conducted by observers unaware of treatment groups. Signs noted should include, but not be limited to: changes in skin, fur, eyes, mucous membranes, occurrence of secretions and excretions and autonomic activity (e.g., lacrimation, piloerection, pupil size, unusual respiratory pattern). Changes in gait, posture and response to handling as well as the presence of clonic or tonic movements, stereotypic behavior (e.g., excessive grooming, repetitive circling), difficult or prolonged parturition or bizarre behavior (e.g., self-mutilation, walking backwards) should also be recorded.

Body Weights - Male and Female Rats:

Acclimation Period: Weekly.

Dosage Period: Daily.

Sacrifice: Terminal weight.

Feed Consumption Values - Male Rats (recorded and tabulated):

Dosage Period: Weekly. Feed left recorded on the day before sacrifice. Rats will be fasted overnight before sacrifice.

Feed Consumption Values - Female Rats (recorded and tabulated):

Dosage Period: Weekly to cohabitation.

Days 0, 7, 10, 12, 15, 18, 20 and 25 (if necessary) of presumed gestation and days 1 and 5 postpartum. Feed left will be recorded on the day before sacrifice. Rats will be fasted overnight before sacrifice.

Feed Consumption Values - Male and Female Rats:

Feed consumption values may be recorded more frequently than cited above if it is necessary to replenish the feed. During cohabitation, when two rats occupy the same cage with one feed jar, replenishment of the feed jars will be documented. Individual values will not be recorded or tabulated.

Estrous Cycling and Mating:

Estrous cycling will be evaluated by examination of vaginal cytology beginning with the day after the first administration and then until spermatozoa are observed in a smear of the vaginal contents and/or a copulatory plug is observed *in situ* during the cohabitation period.

Natural Delivery:

Female rats will be evaluated for:

Adverse Clinical Signs Observed During Parturition.

Duration of Gestation (day 0 of presumed gestation to the time the first pup is observed).

Litter Size (defined as all pups delivered).

Pup Viability at Birth.

Functional Observational Battery:

On one occasion during the course of the study, a functional observational battery (FOB)⁽⁵⁻⁸⁾ will be conducted on five male and five female rats per group. For male rats, this assessment will be conducted shortly before scheduled sacrifice. Female rats should be tested during the lactation period, shortly before scheduled sacrifice. To avoid hyperthermia of pups, dams will be separated from their litters for no longer than 30 to 40 minutes.

The FOB, to be conducted by an observer unaware of the group assignment of the rat, will assess the following parameters:

1. Lacrimation, salivation, palpebral closure, prominence of the eye, pupillary reaction to light, piloerection, respiration, and urination and defecation (autonomic functions).
2. Sensorimotor responses to visual, auditory, tactile and painful stimuli (reactivity and sensitivity).
3. Reactions to handling and behavior in the open field (excitability).
4. Gait pattern in the open field, severity of gait abnormalities, air righting reaction, visual placing response and landing foot splay (gait and sensorimotor coordination).
5. Forelimb and hindlimb grip strength.
6. Abnormal clinical signs including but not limited to convulsions, tremors and other unusual behavior, hypotonia or hypertonia, emaciation, dehydration, unkempt appearance and deposits around the eyes, nose or mouth.

Evidence of the ability of this battery to detect the effects of positive control substances will be provided (Testing Facility Positive Control Data). Data will also be provided to document interobserver reliability if more than one observer is involved in the testing.

Motor Activity Test:

Motor activity will be evaluated on five male and five female rats per group once during the course of the study. For male rats, this assessment will be conducted shortly before scheduled sacrifice. Female rats should be tested during the lactation period, shortly before scheduled sacrifice.

The movements of each rat will be monitored by a passive infrared sensor mounted outside a stainless steel, wire-bottomed cage (40.6 x 25.4 x 17.8 cm). Each test session will be 1.5 hours in duration with the number of movements and time spent in movement tabulated at each five-minute interval. The apparatus will monitor a rack of up to 32 cages and sensors during each session, with each rat tested in the same location on the rack across test sessions. Groups will be counterbalanced across testing sessions and cages.

Data will be provided to demonstrate that the test system is capable of detecting increases in activity produced by positive control substances (Testing Facility Positive Control Data).

HEMATOLOGY AND CLINICAL CHEMISTRY:

At scheduled sacrifice, the five male and five female rats per group assigned to hematology and clinical chemistry sample collection will be exsanguinated from the inferior vena cava following sacrifice by carbon dioxide asphyxiation. Rats will be fasted overnight before sacrifice. Approximately 5 mL of blood (fasted) will be collected and processed as described below. Determinations additional to those described below may be conducted if the known properties of the test substance may, or are suspected to, affect related metabolic profiles (e.g., calcium, phosphate, fasting triglycerides and fasting glucose, specific hormones, and cholinesterase). The tubes containing the samples will be labeled with the protocol number, Sponsor study number, animal number, group number, dosage level, day of study, collection interval, date of collection, species, generation and storage conditions.

Hematology:

Approximately 1 mL of blood will be collected into EDTA-coated tubes and maintained on wet ice or refrigerated until shipment for analysis of the following hematologic parameters:

Erythrocyte Count (RBC)	Mean Corpuscular Volume (MCV)
Hematocrit (HCT)	Leukocyte Count, Total (WBC)
Hemoglobin (HGB)	Leukocyte Count, Differential
Mean Corpuscular Hemoglobin (MCH)	Platelet Count (PLAT)
Mean Corpuscular Hemoglobin Concentration (MCHC)	Mean Platelet Volume (MPV)
	Cell Morphology

Two blood smear slides will be prepared at the Testing Facility for each sample for measurements of differential leukocyte count. All samples (on wet ice) and slides (ambient conditions) will be shipped on the day of collection to Redfield Laboratories at the following address.

Approximately 1.8 mL of blood will be added to a tube containing 0.2 mL of sodium citrate (0.129 M). The contents will be mixed and maintained on wet ice until the tubes are centrifuged (within 30 minutes of the collection time). The resulting plasma will be transferred to a transport tube and immediately frozen. Plasma samples will be maintained on dry ice or in a freezer ($\leq -70^{\circ}\text{C}$) until shipped on dry ice to Redfield Laboratories at the following address, for measurement of prothrombin time (PT) and activated partial thromboplastin time (APTT).

Clinical Chemistry:

Approximately 2 mL of blood will be collected into serum separator tubes and centrifuged. The resulting sera samples will be immediately frozen on dry ice and maintained frozen ($\leq -70^{\circ}\text{C}$) until shipment for analysis of the following parameters:

Total Protein (TP)	Creatinine (CREAT)
Triglycerides (TRI)	Alanine Aminotransferase (ALT)
Albumin (A)	Aspartate Aminotransferase (AST)
Globulin (G)	Alkaline Phosphatase (ALK)
Albumin/Globulin Ratio (A/G)	Calcium (CA)
Glucose (GLU)	Phosphorus (PHOS)
Cholesterol (CHOL)	Sodium (NA)
Total Bilirubin (TBIL)	Potassium (K)
Urea Nitrogen (BUN)	Chloride (CL)

Samples will be shipped (on dry ice) to arrive on Monday through Friday at Redfield Laboratories at the following address.

Shipping Instructions:

Samples will be shipped according to the conditions described above to:

Principal Investigator: Ms. Phyllis Powell
Redfield Laboratories
A Division of CRL-DDS
100 East Boone Street
P.O. Box 308
Redfield, Arkansas 72132
Telephone: (501) 397-2540
Telefax: (501) 397-2002

The recipient will be notified in advance of sample shipment.

URINALYSIS:

Urinalysis will not be conducted unless indicated based on expected or observed toxicity of the test substance.

METHOD OF SACRIFICE:

Fo generation rats will be sacrificed by carbon dioxide asphyxiation.

GROSS NECROPSY AND HISTOPATHOLOGY - F₀ GENERATION RATS:**Scheduled Sacrifice:**

Scheduled sacrifice of male rats will be conducted on the day following the last dosage administration, after a minimum of 28 days of dosage. Scheduled sacrifice of female rats will be conducted on day 6 of lactation.

Gross necropsy of all male and female rats will include an initial physical examination of external surfaces and all orifices, as well as the cranial, thoracic and abdominal cavities and their contents. Special attention will be paid to the organs of the reproductive system. The number of implantation sites and corpora lutea will be recorded.

Male and female rats will be examined for gross lesions. Gross lesions will be retained in neutral buffered 10% formalin and examined histologically. Tissue trimming and histopathology will be performed under the supervision of or by a Board-Certified Veterinary Pathologist.

The testes and epididymides of all male rats will be weighed, and the testes, epididymides, seminal vesicles with coagulating gland and prostate will be retained in neutral buffered 10% formalin. The testes will be fixed in Bouin's solution for 48 to 96 hours before being retained in neutral buffered 10% formalin. The ovaries and the uterus with cervix of each female rat will be weighed, and ovaries, uterus, vagina and a mammary gland will be retained in neutral buffered 10% formalin. Uteri of apparently nonpregnant rats will be examined after being pressed between glass plates to confirm the absence of implantation sites, and retained in neutral buffered 10% formalin.

Blood samples (approximately 3 mL) will be collected from the five rats per sex per group assigned to metabolite analysis. Blood will be collected from the vena cava. Each sample will be divided into two aliquots. One aliquot of 2 mL will be transferred into an EDTA-coated (purple top) tube and refrigerated. The second aliquot (approximately 1 mL) will be transferred into a serum tube, allowed to clot and spun in a centrifuge. The resulting serum will be transferred into polypropylene tubes labeled with the protocol number, Sponsor study number, animal number, group number, dosage level, day of study, collection interval, date of collection, species, generation and storage conditions. All samples will be immediately frozen on dry ice and maintained frozen ($\leq -70^{\circ}\text{C}$) until shipment for analysis.

The liver will be excised and the organ weight recorded. One lobe (right lateral) will be placed in a conical tube and flash frozen in an ice/alcohol bath. Liver samples will be maintained frozen ($\leq -70^{\circ}\text{C}$) until shipment for analysis.

Shipping Instructions:

Liver and serum samples will be shipped on dry ice and whole blood will be shipped on ice packs. Samples to be analyzed will be shipped to:

Principal Investigator: Gregory S. Gorman, Ph.D.
Staff Chemist
Bioanalytical Chemistry Group
Southern Research Institute
200 Ninth Avenue South
Birmingham, Alabama 35255-5305

Telephone: (205) 581-2725
Telefax: (205) 581-2044
Email: gorman@sri.org

The recipient will be notified in advance of sample shipment.

See ATTACHMENT 3 for additional tissues to be weighed and retained from the ten rats per sex per group assigned to histological sample collection and evaluation.

All other tissues will be discarded.

Scheduled Sacrifice of Female Rats that Do Not Deliver Litters:

Rats that do not deliver a litter will be sacrificed on day 25 of presumed gestation. Gross necropsy, examination and tissue retention will be conducted as described above for rats at scheduled sacrifice.

Dams with No Surviving Pups:

Dams with no surviving pups will be sacrificed after the last pup is found dead, missing or presumed cannibalized. Gross necropsy, examination and tissue retention will be conducted as described above for rats at scheduled sacrifice.

Rats Found Dead or Moribund:

Rats that die or are sacrificed because of moribund condition, abortion or premature delivery will be examined for the cause of death or moribund condition on the day the observation is made. The rats will be examined for gross lesions. Testes and epididymides of male rats will be excised and paired organ weights will be recorded. The epididymides will be retained in neutral buffered 10% formalin. The testes will be fixed in Bouin's solution for 48 to 96 hours and then retained in neutral buffered 10% formalin. Pregnancy status and uterine contents of female rats will be recorded. Aborted fetuses and/or delivered pups will be examined to the extent possible. Uteri of apparently nonpregnant rats will be examined after being pressed between glass plates to confirm the absence of implantation sites. Ovaries and uteri will be retained in neutral buffered 10% formalin.

TESTS, ANALYSES AND MEASUREMENTS - F1 GENERATION:**Viability:**

Preweaning Period: Litters will be observed for dead pups at least twice daily. The pups in each litter will be counted once daily.

Clinical Observations and/or General Appearance:

Preweaning Period: Once daily.

Clinical observations may be recorded more frequently than cited above, if deemed appropriate by the Study Director and/or the Study Monitor.

Body Weights:

Preweaning Period: Days 1 (birth) and 5 postpartum.

Sacrifice: Terminal weight.

Feed Consumption Values (recorded and tabulated):

Preweaning Period: Not recorded.

METHOD OF SACRIFICE - F1 GENERATION PUPS:

F1 generation pups will be sacrificed by carbon dioxide asphyxiation.

NECROPSY - F1 GENERATION:

Gross lesions will be retained in neutral buffered 10% formalin for possible future evaluation. Unless specifically cited below, all other tissues will be discarded.

Pups Found Dead on Day 1 Postpartum:

Pups that die before examination of the litter for pup viability will be evaluated for vital status at birth. The lungs will be removed and immersed in water. Pups with lungs that sink will be identified as stillborn; pups with lungs that float will be identified as liveborn, and to have died shortly after birth. Pups with gross lesions will be preserved in Bouin's solution for possible future evaluation.

Pups Found Dead or Moribund on Days 2 to 4 Postpartum:

Pups found dead or sacrificed because of moribundity will be examined for gross lesions and for the cause of death or the moribund condition. Pups with gross lesions will be preserved in Bouin's solution for possible future evaluation.

Scheduled Sacrifice:

On day 5 postpartum, pups will be will be sacrificed and examined for gross lesions; gross lesions will be preserved in neutral buffered 10% formalin. Necropsy will include a single cross-section of the head at the level of the frontal-parietal suture and examination of the cross-sectioned brain for apparent hydrocephaly.

PROPOSED STATISTICAL TESTS:

When possible results will be evaluated by appropriate and acceptable statistical methods. Because of the limited dimensions of the study, statistical analysis in the form of tests for significance are of limited value for many endpoints, particularly reproductive and neurological endpoints. Some of the most widely used methods, especially parametric tests for measures of central tendency, are inappropriate. If statistical analyses are to be conducted, the methods selected will be appropriate for the distribution of the variable examined and added to the protocol prior to finalization or by amendment.

DATA ACQUISITION, VERIFICATION AND STORAGE:

Data generated during the course of this study will be recorded either by hand or using the *Argus Automated Data Collection and Management System*, the *Vivarium Temperature and Relative Humidity Monitoring System*, the *Coulbourn Instruments Passive Infrared Motor Activity System*, the *Coulbourn Instruments Auditory Startle System*, the *Coulbourn Instruments Spatial Delayed Alternation System*, and/or the passive avoidance software. All data will be tabulated, summarized and/or statistically analyzed using the *Argus Automated Data Collection and Management System*, the *Vivarium Temperature and Relative Humidity Monitoring System*, *Microsoft Excel* [part of Microsoft Office 97 (version SR-2)] and/or *The SAS System* (version 6.12).

Records will be reviewed by the Study Director and/or appropriate management personnel within 21 days after generation. All original records will be stored in the archives of the Testing Facility. All original data will be bound and indexed. A copy of all raw data will be supplied to the Sponsor upon request. Preserved tissues will be stored at the Testing Facility at no charge for one year after mailing of the draft final report, after which time the Sponsor will be contacted to determine the disposition of these materials.

KEY PERSONNEL:

Executive Director of Research: Mildred S. Christian, Ph.D., Fellow, ATS
Director of Research: Alan M. Hoberman, Ph.D., DABT
Associate Director of Research and Study Director: Raymond G. York, Ph.D., DABT
Director of Operations and Compliance: Barbara J. Patterson, B.A.
Director of Laboratory Operations: John F. Barnett, B.S.
Director of Study Management: Valerie A. Sharper, M.S.
Manager of Animal Operations: Dena C. Lebo, V.M.D.
Chairperson, Institutional Animal Care and Use Committee: Douglas B. Learn, Ph.D.
Consultant, Veterinary Pathology: W. Ray Brown, D.V.M., Ph.D., ACVP

RECORDS TO BE MAINTAINED:

Protocol and Amendments.
Test Substance, Vehicle and/or Reagent Receipt, Preparation and Use.
Animal Acquisition.
Randomization Schedules.
Mating History.
Treatment (if prescribed by Staff Veterinarian).
General Comments.
Clinical Observations and/or General Appearance.
Body Weights.
Feed Consumption Values.
Natural Delivery Observations.
FOB and Motor Activity Observations.
Blood Sample Collection, Processing and Shipment.
Gross Necropsy Observations.
Organ Weights.
Photographs (if required).
Study Maintenance (room and environmental records).
Feed and Water Analyses.
Packing and/or Shipment Lists.

FINAL REPORT:

The Study Director will provide periodic updates of study progress to the Sponsor. Draft summary tables of unaudited computer-recorded data may accompany these updates. Statistical analyses will not be performed on these interim data.

A comprehensive draft final report will be prepared on completion of the study and will be finalized following consultation with the Sponsor. The report will include the following:

Summary and Conclusion.

Experimental Design and Method.

Evaluation of Test Results.

Appendices: Figures, Summary and Individual Tables Summarizing the Above Data, Protocol and Associated Amendments and Deviations, Study Director's GLP Compliance Statement, Reports of Supporting Data (if appropriate) and QAU Statement.

The Sponsor will receive one copy of the draft report and two copies of the final report. Data will be hand- and/or computer-recorded. Records will be reviewed by the Study Director and/or appropriate management personnel within 21 days after generation. All original records will be stored in the archives of the Testing Facility. All original data will be bound and indexed. A copy of all raw data will be supplied to the Sponsor upon request. Preserved tissues will be stored at the Testing Facility at no charge for one year after mailing of the draft final report, after which time the Sponsor will be contacted to determine the disposition of these materials.

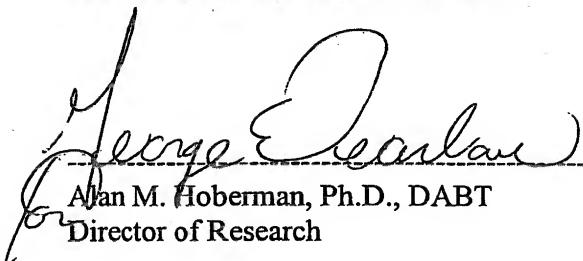
INSTITUTIONAL ANIMAL CARE AND USE COMMITTEE STATEMENT:

The procedures described in this protocol have been reviewed by the Testing Facility's Institutional Animal Care and Use Committee. All procedures described in this protocol that involve study animals will be conducted in a manner to avoid or minimize discomfort, distress or pain to the animals.

The Sponsor's signature below documents the fact that information concerning the necessity for conducting this study and the fact that this is not an unnecessarily duplicative study may be obtained from the Sponsor. No alternative (*in vitro*) procedures were available for meeting the stated purposes of the study.

REFERENCES:

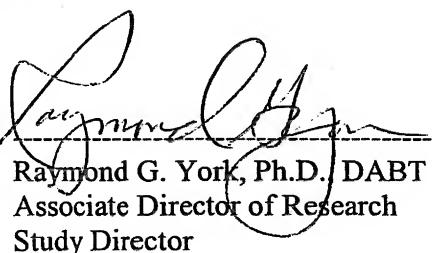
1. Christian, M.S. and Voytek, P.E. (1982). *In Vivo Reproductive and Mutagenicity Tests*. Environmental Protection Agency, Washington, D.C. National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.
2. Christian, M.S. (1984). Reproductive toxicity and teratology evaluations of naltrexone (Proceedings of Naltrexone Symposium, New York Academy of Sciences, November 7, 1983), J. Clin. Psychiat. 45(9):7-10.
3. Lang, P.L. (1988). *Embryo and Fetal Developmental Toxicity (Teratology) Control Data in the Charles River Crl:CD®BR Rat*. Charles River Laboratories, Inc., Wilmington, MA 01887-0630. (Data base provided by Argus Research Laboratories, Inc.)
4. Institute of Laboratory Animal Resources (1996). *Guide for the Care and Use of Laboratory Animals*. National Academy Press, Washington, D.C.
5. Haggerty, G.C. (1989). Development of Tier I neurobehavioral testing capabilities for incorporation into pivotal rodent safety assessment studies. J. Amer. Col. Toxicol. 8:53-70.
6. Irwin, S. (1968). Comprehensive observational assessment: Ia. A systemic quantitative procedure for assessing the behavioral and physiologic state of the mouse. Psychopharmacologia (Berlin) 13:222-257.
7. Moser, V.C. (1989). Screening approaches to neurotoxicity: A functional observational battery. J. Amer. Col. Toxicol. 8:85-94.
8. O'Donoghue, J.L. (1989). Screening for neurotoxicity using a neurologically based examination and neuropathology. J. Amer. Col. Toxicol. 8:97-116.

PROTOCOL APPROVAL:**FOR THE TESTING FACILITY**

for
Alan M. Hoberman, Ph.D., DABT
Director of Research

15 Feb 02

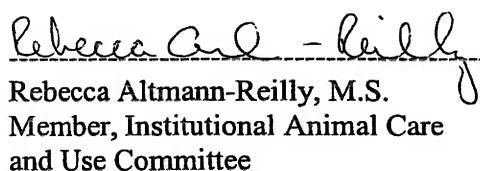
Date



Raymond G. York, Ph.D., DABT
Associate Director of Research
Study Director

15 FEB 2002

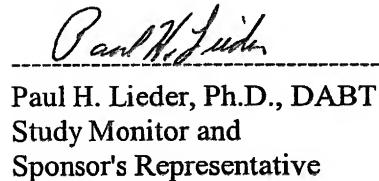
Date



Rebecca Altmann - Reilly
Rebecca Altmann-Reilly, M.S.
Member, Institutional Animal Care
and Use Committee

15 Feb. 2002

Date

FOR THE SPONSOR

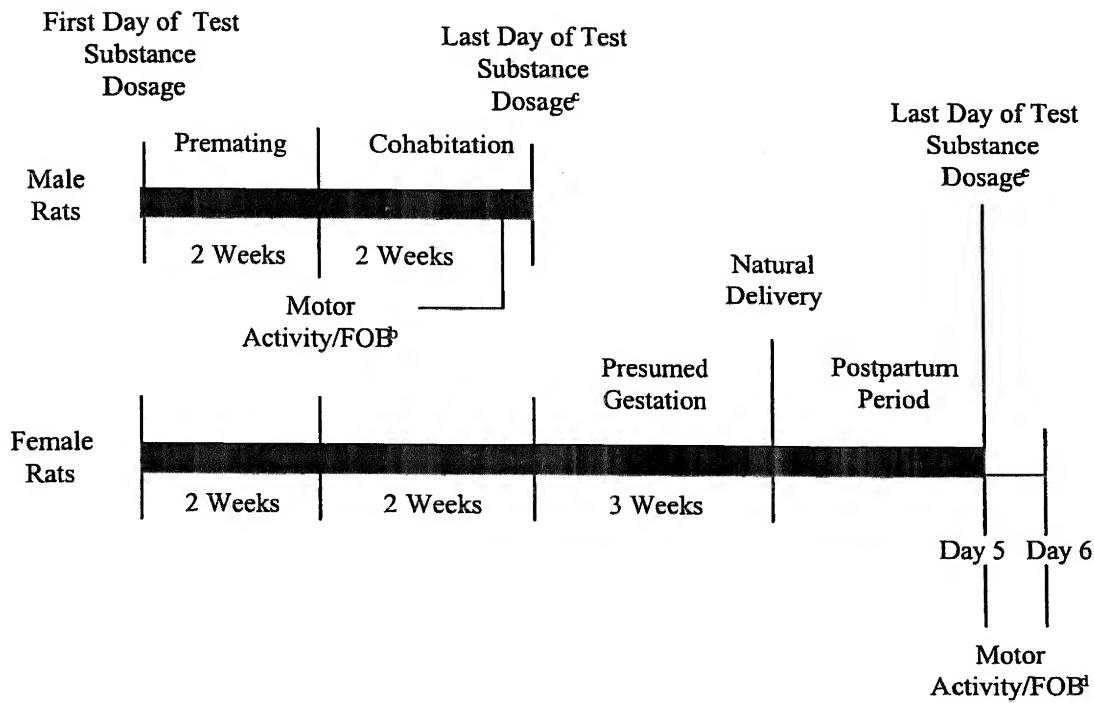
Paul H. Lieder, Ph.D., DABT
Study Monitor and
Sponsor's Representative

19 Feb. 2002

Date

ATTACHMENT 1

SCHEMATIC OF STUDY DESIGN AND STUDY SCHEDULE

STUDY SCHEMATIC**COMBINED REPEAT DOSE AND REPRODUCTIVE/DEVELOPMENTAL TOXICITY SCREEN^a****Dosage Period**

- a. For additional details see "Tests, Analyses and Measurements" section of the protocol.
- b. FOB and motor activity evaluations conducted on five males per group.
- c. Male rats sacrificed after completion of at least 28 days of dosage; necropsy and retention of male reproductive organs. Hematology and clinical biochemistry samples (five male and five female rats per group) and histological samples (ten male and ten female rats per group) collected.
- d. Five female rats per group assigned to FOB evaluation on day 5 postpartum and motor activity evaluation on day 6 postpartum.
- e. Last day of dosage for female rats is day 5 postpartum. Pups sacrificed on day 5 postpartum. Female rats sacrificed on day 6 postpartum; necropsy and retention of female reproductive organs. Hematology, clinical biochemistry and histological samples collected.

SCHEDULE^a

12 FEB 02	Animal Receipt - Acclimation Begins.
18 FEB 02	Start of Dosage Period - Male Rats (14 days before cohabitation and through a 14-day cohabitation period until the of sacrifice after at least 28 days of dosage).
18 FEB 02 - 16 APR 02	Dosage Period - Female Rats (14 days before cohabitation through Day 4 or Day 5 of lactation).
19 FEB 02 - 04 MAR 02	Dosage Period Estrous Cycle Evaluation.
04 MAR 02 PM - 11 MAR 02 AM 11 MAR 02 PM - 18 MAR 02 AM	Cohabitation Period (Maximum of 14 days). Male 1 (7 days) Male 2 (7 days)
05 MAR 02 18 MAR 02	First Possible Day 0 of Presumed Gestation. Last Possible Day 0 of Presumed Gestation.
19 MAR 02 - 22 MAR 02	FOB and Motor Activity Evaluation - Five Male Rats per Group
25 MAR 02	Scheduled Sacrifice - Male Rats (Earliest possible date). Hematology, Clinical Biochemistry and Histological Sample Collection.

-
- a. The start date of the study is the day the Study Director signs the protocol.
 - b. Throughout this schedule, the day of birth is designated day 1 postpartum (day 1 of lactation) and all subsequent ages of the F1 generation rats and days of the lactation period will be determined and cited accordingly, as described above the protocol section, "Day Numbering System."

26 MAR 02	First Possible Delivery (Day 21 of presumed gestation).
12 APR 02	Last Possible Delivery (Day 25 of presumed gestation).
30 MAR 02	First Possible Day 25 of Presumed Gestation Female Sacrifice.
12 APR 02	Last Possible Day 25 of Presumed Gestation Female Sacrifice.
30 MAR 02 - 16 APR 02	FOB Evaluation - Five Female Rats per Group.
30 MAR 02 - 16 APR 02	Day 5 Postpartum - Pups Sacrificed.
31 MAR 02 - 17 APR 02	Motor Activity Evaluation - Five Female Rats per Group.
31 MAR 02 - 17 APR 02	Day 6 Postpartum - Sacrifice of Female Rats. Hematology, Clinical Biochemistry and Histological Sample Collection.
01 AUG 02	Draft Final Report

ATTACHMENT 2

TEST SUBSTANCE PREPARATION PROCEDURE

ATTACHMENT 2

Protocol 418-027
Version: 418-027(14 FEB 02)
Page 1 of 2

TEST SUBSTANCE PREPARATION PROCEDURE

Test Substance: T 7559.7Vehicle: Aqueous 0.5% CMC (medium viscosity)

A. Purpose:

The purpose of this procedure is to provide a method for the preparation of dosage suspensions of T 7559.7 for oral (gavage) administration to rats on Argus Research Study number 418-027.

B. General Information:

1. All suspension containers will be labeled and color-coded. Each label will specify the protocol number, test substance identification, Argus batch number, concentration, dosage level, preparation date, expiration date and storage conditions.
2. Suspensions will be prepared:
 Daily Weekly For days of use
 Approximately every ten days By Sponsor
3. Suspensions will be administered at a final dosage volume of 10 mL/kg.
4. Safety:
 Gloves, uniform/lab coat, goggles or safety glasses with side shields
 Dust-mist/HEPA-filtered Mask
 Half-Face Respirator if not used in a chemical fume hood
 Full-Face Respirator/Positive Pressure Hood
 Tyvek Suit or tyvek apron and sleeves
5. Dosage suspensions adjusted for % Activity/Purity or Correction Factor:
 Yes No (Calculations based on 100%)
 % Activity % Purity Correction Factor
6. Sampling requirements: Cited in protocol
7. Storage: Cited in protocol

ATTACHMENT 2

Protocol 418-027
Version: 418-027(14 FEB 02)
Page 2 of 2

TEST SUBSTANCE PREPARATION PROCEDURE

NOTE: Prior to test substance preparation accurately measure the required amount of the appropriate vehicle (R.O. deionized water should be used for calibration purposes) in a graduated cylinder, pour the required amount of vehicle into a beaker. Carefully mark each beaker at the meniscus. This mark will be used during the preparation to bring the test substance slurry up to volume.

C. Dosage Suspension Preparation:

1. Weigh the required amount of test substance on a piece of weigh paper or into an appropriately sized mortar (see PREPARATION CALCULATIONS).
2. If weigh paper is used, transfer the test substance to an appropriately sized mortar. If necessary, grind the test substance into a fine powder. Slowly add a small amount of vehicle and grind. Continue to add vehicle slowly and grind the vehicle and the test substance together to form a fine slurry. Transfer the vehicle/test substance slurry to a marked beaker.
3. Rinse the mortar and pestle with additional vehicle to remove any remaining test substance. Transfer rinse to beaker.
4. Add additional vehicle to the beaker to bring volume up to the mark. Place on magnetic stir plate and agitate prior to and during aliquotting, administration and/or sampling.
5. Repeat steps (1) through (4) for each concentration.

Written By: Patricia A. Kelly

Approved by: John C. H. Jones Date: 15 FEB 2002

Clarification: X No Yes [see attached clarification form]

Initial/Date : SC 13-19-03

ATTACHMENT 3

TISSUES TO BE WEIGHED, RETAINED AND EXAMINED HISTOLOGICALLY

**TISSUES TO WEIGHED AND RETAINED FOR POSSIBLE EXAMINATION
FROM TEN RATS PER SEX PER GROUP**

Ten rats per sex per group not assigned to functional observational battery and motor activity tests will be assigned to histological evaluations.

Tissues to be Weighed:

The following organs will be excised, trimmed and individually weighed as soon as possible after excision to avoid drying.

liver	spleen
kidneys	brain
adrenals	heart
thymus	ovaries
testes	uterus (with cervix)
epididymides	

Tissues to be Retained:

The following tissues or representative samples will be retained in neutral buffered 10% formalin.

brain (representative regions including cerebrum, cerebellum, pons)	
small and large intestines (including Peyer's patches)	
lungs (perfused with neutral buffered 10% formalin)	
lymph nodes (submandibular and mediastinal)	
peripheral nerve (sciatic)	
gross lesions	spinal cord (cervical, thoracic and lumbar)
stomach	liver
kidneys	adrenals
spleen	heart
thymus	thyroid/parathyroid
trachea	uterus
urinary bladder	bone marrow
testes*	ovaries
epididymides	uterus
seminal vesicles (with coagulating gland)	vagina
prostate	mammary gland (female rats only)

- * Testes will be fixed in Bouin's solution for 48 to 96 hours before being retained in neutral buffered 10% formalin.

Histological Examination:

Histological examination of retained tissues, including reproductive organs, will be conducted for the assigned ten rats per sex from the control and high dosage groups. If lesions attributed to the test substance are observed in the rats exposed to the high test substance dosage, the same tissues will be examined from the assigned five rats per sex exposed to the lower test substance dosages. Should results warrant examination of the lower dosage groups and conduct of quantitative evaluation, scheduled report date and prices will be adjusted accordingly.

Shipping Instructions:

Tissues to be examined histologically will be shipped (ambient conditions) to:

Principal Investigator: W. Ray Brown, D.V.M., Ph.D., ACVP
Veterinary Pathologist
Research Pathology Services, Inc.
438 E. Butler Avenue
New Britain, Pennsylvania 18901
Telephone: (215) 345-7070

The recipient will be notified in advance of sample shipment.

905 Sheehy Drive, Bldg. A
Horsham, PA 19044
Telephone: (215) 443-8710
Telefax: (215) 443-8587



PROTOCOL 418-027

ORAL (Gavage) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST

SPONSOR'S STUDY NUMBER: T-7599

Amendment 1 - 15 March 2002

1. Purpose (page 1 of the protocol):

[Effective Date: 1 March 2002] The purpose of this study is to provide information on the possible health hazards that may result from repeated exposure of Crl:CD®(SD)IGS BR VAF/Plus® male and female rats to a test substance beginning before cohabitation, through mating and continuing for at least 28 days (male rats), or through parturition until day 5, rather than day 4 or 5, of lactation (female rats).

Reason for Change:

This change corrects the protocol and is consistent with the method and frequency of administration to female rats on page 10 of the protocol.

2. Vehicle (page 3 of the protocol):

[Effective Date: 22 February 2002] The vehicle will be aqueous 1.0% carboxymethylcellulose (CMC) (medium viscosity), rather than aqueous 0.5% carboxymethylcellulose.

Reason for Change:

This change was made because the test substance is precipitating out of suspension during shipment for analysis and cannot be analyzed.

Any revisions to this finalized amendment must be made by subsequent amendment.

3. Safety Precautions (page 3 of the protocol):

[Effective Date: 18 February 2002] A half-face respirator will be worn when the bulk test substance is not being used in a chemical fume hood.

Reason for Change:

This addition was made so that safety precautions are consistent with the MSDS.

4. Storage (page 4 of the protocol):

[Effective Date: 18 February 2002] The prepared test substance and vehicle formulations will be stored refrigerated, protected from light, rather than at room temperature, protected from light.

Reason for Change:

This change was made at the request of the Sponsor based on the stability of the test substance.

5. Analyses (page 4 of the protocol):

Additional analyses for concentration and homogeneity and stability will be performed on samples taken from the second test substance preparation using 1.0% carboxymethylcellulose. These samples will be taken and analyzed as described in the protocol.

Reason for Change:

This change was made to provide an analysis of samples prepared using 1.0% carboxymethylcellulose as the vehicle.

6. Bulk Test Substance Sampling (page 5 of the protocol)

[Effective Date: 25 February 2002] The 1 g sample of the test substance taken on the last day of treatment will be sent directly to Southern Research Institute at the address in the protocol, rather than to the Sponsor, for analysis.

Reason for Change:

This change corrects the protocol to indicate that the sample will be sent to Southern Research Institute, rather than to the Sponsor.

Any revisions to this finalized amendment must be made by subsequent amendment.

7. Bulk Test Substance Sampling (page 5 of the protocol)

[Effective Date: 25 February 2002] A sample (approximately 5 g) of the test substance will be taken and sent (ambient conditions, protected from light) for use in the preparation of analytical standards and for possible spectrophotometric analysis. The sample will be sent to:

Principal Investigator, Gregory S. Gorman, Ph.D.
Staff Chemist
Bioanalytical Chemistry Group
Southern Research Institute
2000 Ninth Avenue South
Birmingham, Alabama 35255-5305

Telephone: (205) 581-2725
Telefax (205) 581-2044
Email: gorman@sri.org

8. Shipping Instructions (page 6 of the protocol):

[Effective Date: 18 February 2002] The samples to be analyzed will be shipped refrigerated, protected from light, rather than at ambient conditions.

Reason for Change:

This change was made at the request of the Sponsor based on the stability of the test substance.

9. Schedule (Page 2 of Attachment 1 to the protocol):

[Effective Date: 25 February 2002] The dosage period for female rats will be 14 days before cohabitation through Day 5 of lactation, rather than through Day 4 or 5 of lactation.

Reason for Change:

This change corrects the protocol and is consistent with the method and frequency of administration to female rats on page 10 of the protocol.

10. Safety (Page 1 of Attachment 2 to the protocol):

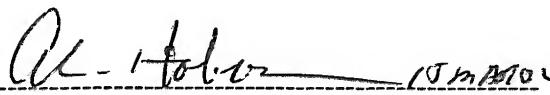
[Effective Date: 18 February 2002] There should be an "X" before "Half-Face Respirator if not used in a chemical fume hood" to indicate an additional safety precaution.

Any revisions to this finalized amendment must be made by subsequent amendment.

Protocol 418-027
Amendment 1
Page 4

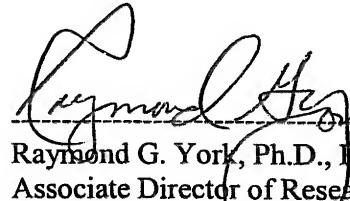
Reason for Change:

This addition was made so that safety precautions are consistent with the MSDS.



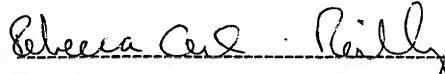
15-MAR-02

Alan M. Hoberman, Ph.D., DABT
Director of Research



15-MAR-02

Raymond G. York, Ph.D., DABT
Associate Director of Research
Study Director



3/15/02

Rebecca Altman-Reilly, M.S.
Member, Institutional Animal Care
and Use Committee



19-MAR-02

Paul H. Lieder, Ph.D., DABT
Study Monitor
Sponsor's Representative

Any revisions to this finalized amendment must be made by subsequent amendment.

905 Sheehy Drive, Bldg. A
 Horsham, PA 19044
 Telephone: (215) 443-8710
 Telefax: (215) 443-8587



ARGUS RESEARCH
Charles River Laboratories
Discovery and Development Services

PROTOCOL 418-027

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST

SPONSOR'S STUDY NUMBER: T-7599

Amendment 2 - 5 September 2002

1. Proposed Statistical Tests (page 19 of the protocol):

[Effective Date: 25 June 2002]: Attachment 1 to this amendment describes the proposed statistical methods.

Body weight data, feed consumption values and organ weights will be analyzed as described under the Parametric heading of the schematic. Bartlett's Test of Homogeneity of Variances⁽⁹⁾ will be used to estimate the probability that the groups had different variances. A nonsignificant result ($p>0.001$) will indicate that an assumption of homogeneity of variance is not inappropriate, and the data will be compared using the Analysis of Variance Test⁽¹⁰⁾. If that test is significant ($p\leq0.05$), the groups exposed to the test substance will be compared with the control group using Dunnett's Test⁽¹¹⁾. If Bartlett's Test is significant ($p\leq0.001$), the Analysis of Variance Test is not appropriate, and the data will be analyzed as described under the Nonparametric heading of the schematic. When 75% or fewer of the scores in all the groups are tied, the Kruskal-Wallis Test⁽¹²⁾ will be used to analyze the data, and in the event of a significant result ($p\leq0.05$), Dunn's Test⁽¹³⁾ will be used to compare the groups exposed to the test substance with the control group. When more than 75% of the scores in any group are tied, Fisher's Exact Test⁽¹⁴⁾ will be used to compare the proportion of ties in the groups.

Data from the motor activity test, with repeated measurements within a session, will be analyzed using an Analysis of Variance with Repeated Measures⁽¹⁵⁾, as described under that heading in the schematic. A significant effect ($p\leq0.05$) in that test can appear as effect of Concentration (a difference between groups in the total across all measurements in a session) or as an interaction between

Any revisions to this finalized amendment must be made by subsequent amendment.

Concentration and Block (a difference between groups at specific measurement periods). If the Concentration effect is significant, the totals for the control group and the groups given the test substance will be compared using Dunnett's Test. If the Concentration x Block interaction is significant, an Analysis of Variance Test will be used to evaluate the data at each measurement period, and a significant result ($p \leq 0.05$) will be followed by a comparison of the groups using Dunnett's Test.

Test items in the FOB having graded or count scores will be analyzed using the procedures described under the Nonparametric heading of the schematic.

Clinical observation incidence data will be analyzed as contingency tables using the Variance Test for Homogeneity of the Binomial Distribution⁽¹⁶⁾.

Alternate or additional statistical evaluations may be performed if deemed necessary or appropriate.

Reason for Change:

The statistical methods were to be added by amendment.

2. References (page 22 of the protocol):

[Effective Date: 25 June 2002]: The following references are added to the protocol.

9. Sokal, R.R. and Rohlf, F.J. (1969). Bartlett's test of homogeneity of variances. *Biometry*, W.H. Freeman and Co., San Francisco, pp. 370-371.
10. Snedecor, G.W. and Cochran, W.G. (1967). Analysis of Variance. *Statistical Methods*, 6th Edition, Iowa State University Press, Ames, pp. 258-275.11. Dunnett, C.W. (1955). A multiple comparison procedure for comparing several treatments with a control. *J. Amer. Stat. Assoc.* 50:1096-1121.
11. Dunnett, C.W. (1955). A multiple comparison procedure for comparing several treatments with a control. *J. Amer. Stat. Assoc.* 50:1096-1129.
12. Sokal, R.R. and Rohlf, F.J. (1969). Kruskal-Wallis Test. *Biometry*, W.H. Freeman and Co., San Francisco, pp. 388-389.

Any revisions to this finalized amendment must be made by subsequent amendment.

13. Dunn, O.J. (1964). Multiple comparisons using rank sums. *Technometrics* 6(3):241-252.
14. Siegel, S. (1956). *Nonparametric Statistics for the Behavioral Sciences*, McGraw-Hill, New York, pp. 96-105.
15. SAS Institute, Inc. (1988). Repeated measures analysis of variance. *SAS/STAT™ User's Guide*, Release 6.03 Edition, Cary, NC, pp. 602-609.
16. Snedecor, G.W. and Cochran, W.G. (1967). Variance test for homogeneity of the binomial distribution. *Statistical Methods*, 6th Edition, Iowa State University Press, Ames, pp. 240-241.

Reason for Change:

The proposed statistical tests cite these references.

3. Histological Examination (page 2 of Attachment 3 of the protocol):

[Effective Date: 4 June 2002]: If lesions attributed to the test substance are observed in the rats exposed to the high test substance dosage, the same tissues will be examined from the assigned ten rats, rather than five rats, per sex exposed to the lower test substance dosages.

Reason for Change:

This change was made to correct the protocol. The Randomization and cohabitation section of the protocol, page 9, states that histological evaluations will be performed on the last ten rats per sex in each group exposed to the lower test substance dosages.

4. Histological Examination (page 2 of Attachment 3 of the protocol):

[Effective Date: 4 June 2002]: Histological evaluations will be performed on the livers of ten male and ten female rats, the thymuses of ten female rats and the stomachs of ten male rats exposed to each of the lower test substance dosages.

Any revisions to this finalized amendment must be made by subsequent amendment.

Reason for Change:

This change was made to clarify that additional histological evaluation would be performed because lesions of the livers, thymuses and stomachs were found in male and/or female rats assigned to the 250 mg/kg/day dosage group.

A.H. 5-28-02 *R.G.Y.* 9/5/02

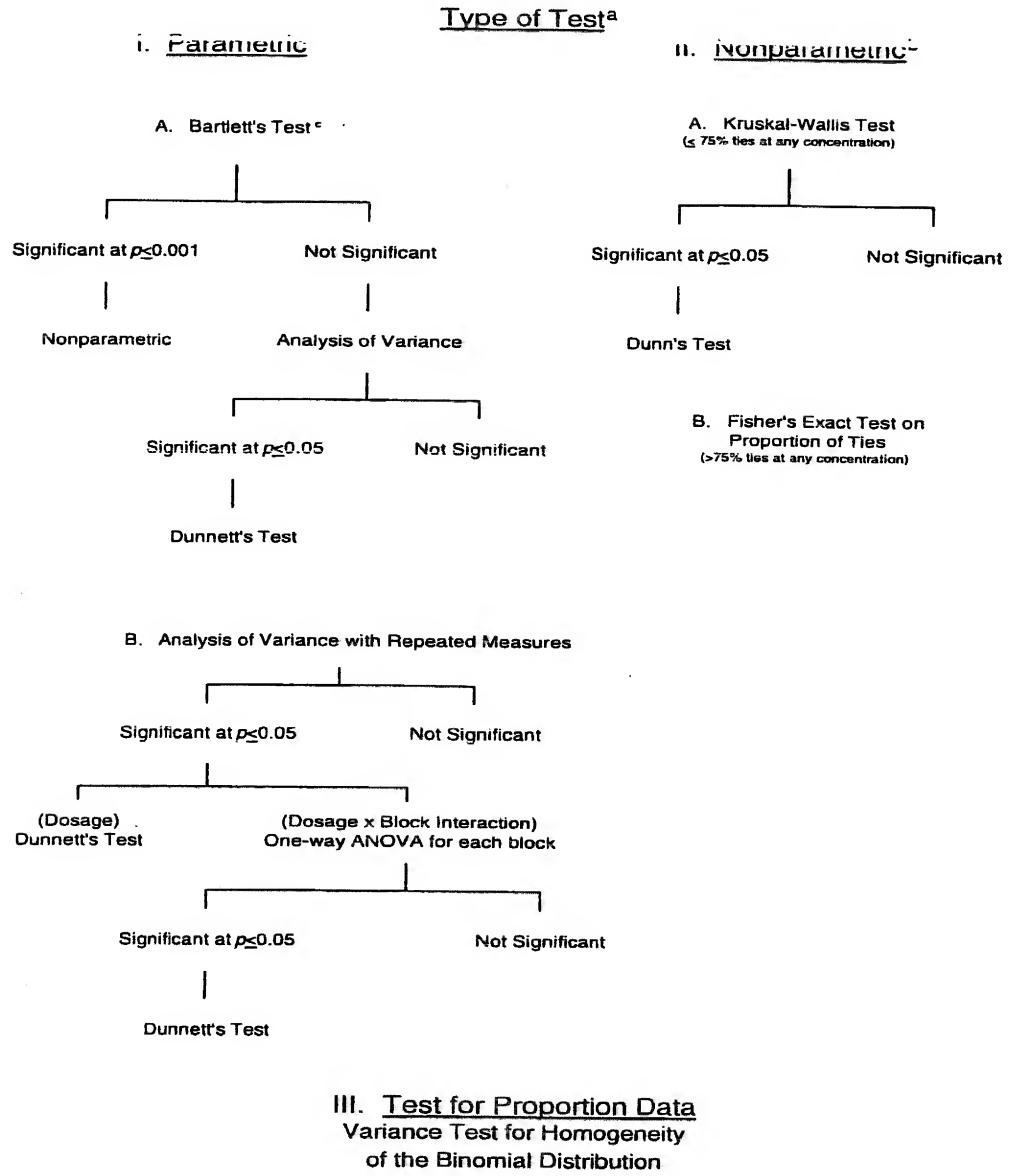
Alan M. Hoberman, Ph.D., DABT Date Raymond G. York, Ph.D., DABT Date
Director of Research Associate Director of Research
Study Director

Rebecca Altman-Reilly 9/5/02 *Paul H. Lieder* 9/11/2002
Rebecca Altman-Reilly, M.S. Date Paul H. Lieder, Ph.D., DABT Date
Member, Institutional Animal Care
and Use Committee Study Monitor
Sponsor's Representative

Any revisions to this finalized amendment must be made by subsequent amendment.

PROPOSED STATISTICAL TESTS⁽⁹⁻¹⁶⁾:

The following schematic represents statistical analyses of the data.



- a. Statistically significant probabilities are reported as either $p \leq 0.05$ or $p \leq 0.001$.
- b. Proportion data are not included in this category.
- c. Test for homogeneity of variance.

Any revisions to this finalized amendment must be made by subsequent amendment.

APPENDIX E

**DEVIATIONS FROM THE PROTOCOL AND THE
STANDARD OPERATING PROCEDURES OF
THE TESTING FACILITY**

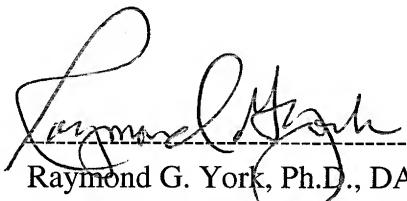
DEVIATIONS FROM THE PROTOCOL AND THE STANDARD OPERATING PROCEDURES OF THE TESTING FACILITY

1. On 25 March 2002, day 36 of study (DS 36), male rat 17632 in the 10 mg/kg/day dosage group refluxed approximately 1 mL of the 4.9 mL test substance that was administered. This deviation did not adversely affect the outcome or interpretation of the study because the rat was administered most of the dosage.
2. On 3 March 2002, DS 14, and on 26 March 2002, day 19 of presumed gestation (DG 19), the postdosage observations for female rats 17716 in the 0 (Vehicle) mg/kg/day dosage group and 17683 in the 250 mg/kg/day dosage group were performed one minute early from the range of 60 ± 10 minutes. These deviations did not adversely affect the outcome or interpretation of the study because the extent of the deviation was minimal.
3. On 3 March 2002, DS 14, the postdosage observation for male rat 17630 in the 0 (Vehicle) mg/kg/day dosage group was not performed. This deviation did not adversely affect the outcome or interpretation of the study because sufficient data were available for evaluation of this parameter and it was a single event.
4. On 30 March 2002, DG 25, ovaries of female rat 17686 in the 250 mg/kg/day dosage group were not retained after necropsy. This deviation did not adversely affect the outcome or interpretation of the study because sufficient tissues were saved from other rats in this dosage group to evaluate ovaries.
5. On 4 April 2002, plasma and serum samples from the following rats were processed and immediately frozen on dry ice. On 5 April 2002, these samples were found in a styrofoam box after they had thawed because of insufficient dry ice to keep the samples frozen. Samples were immediately refrozen and transferred to a -70° C chest freezer for storage.

Dosage Group	Dosage (mg/kg/day)	Rat Number	Sample Type
I	0	17715	Serum
II	10	17684	Serum and Plasma
		17707	Serum
		17710	Serum
III	50	17687	Serum and Plasma
		17706	Serum
		17720	Serum
IV	250	17678	Serum

This deviation did not adversely affect the outcome or interpretation of the study because sufficient samples were available for evaluation.

All deviations are documented in the raw data.


Raymond G. York, Ph.D., DABT Date
Associate Director of Research
Study Director

APPENDIX F
CERTIFICATE OF ANALYSIS

Certificate of Analysis

N-MeFBSE [C₄F₉SO₂N(CH₃)CH₂CH₂OH]
41-2601-1878-5 Lot 6

30 January 2002

Gibbes Bailie

Sample purity – 95.55%.

This sample was analyzed using GC, GC/MS, LC/MS, ¹H-NMR, and ¹⁹F-NMR analyses techniques. The results of these tests show the sample to contain the following composition:

C ₄ F ₉ SO ₂ N(CH ₃) ₂	0.009 %
C ₄ F ₉ SO ₂ N(CH ₃)H	0.63 %
C ₄ F ₉ SO ₂ N(CH ₃)C ₂ H ₄ OC ₄ F ₈ H	0.14 %
C ₄ F ₉ SO ₂ N(CH ₃)CH ₂ CH ₂ OH	95.55 %
C ₄ F ₉ SO ₂ N(CH ₃)C ₂ H ₄ N(CH ₃) ₂	0.002 %
C ₄ F ₉ SO ₂ N(CH ₃)C ₂ H ₄ N(CH ₃)H	0.17 %
C ₄ F ₈ HSO ₂ N(CH ₃)CH ₂ CH ₂ OH	1.80 %
C ₄ F ₉ SO ₂ N(CH ₃)CH ₂ CH ₂ OCH ₂ CH ₂ OH	1.71 %
C ₃ F ₇ C(O)N(CH ₃)H	0.0004 %
C ₃ F ₇ CO ₂ ⁻	< 30 ppm
C ₄ F ₉ SO ₃ ⁻	< 7 ppm
C ₄ F ₈ HSO ₃ ⁻	10 ppm

Additionally, the isomer distribution of the C4 alcohol (C₄F₉SO₂N(Me)-CH₂CH₂OH) was determined using ¹⁹F-NMR techniques and found to contain the following relative composition:

CF ₃ CF ₂ CF ₂ SO ₂ N(CH ₃)CH ₂ CH ₂ OH [linear]	98.8 %
(CF ₃) ₂ CFCF ₂ SO ₂ N(CH ₃)CH ₂ CH ₂ OH [iso-branch]	0.97 %
CF ₃ CF ₂ CF(CF ₃)SO ₂ N(CH ₃)CH ₂ CH ₂ OH [alpha-branch]	0.20 %

Gibbes Bailie

APPENDIX G
ANALYTICAL REPORT

FINAL REPORT

**ANALYSIS OF DOSING SOLUTIONS USED AT ARGUS RESEARCH LABORATORY
FOR SPONSOR'S STUDY NUMBER T-7599.7 (ARGUS RESEARCH LABORATORY
PROTOCOL NUMBER: 418-027), SOUTHERN RESEARCH INSTITUTE STUDY
A536.2**

STUDY ID: A536.2

**SPONSOR STUDY NO. T-7599.7 (ARGUS RESEARCH LABORATORY PROTOCOL
NUMBER: 418-027)**

**Southern Research Institute
2000 Ninth Avenue South
P.O. Box 55305
Birmingham, AL 35255-5305**

Study Initiation Date: 3/15/02

Study Completion Date: 2/12/2003

Experimental Initiation Date: 3/11/02

Experimental Completion Date: 6/14/02

SUMMARY

All samples were analyzed according to analytical method BACG-3592. A total of 8 formulated dose samples including vehicles ranging in concentration from 0 to 25 mg/mL were analyzed to determine the 10 day stability of 1-Butanesulfonamide, 1,1,2,2,3,3,4,4-nonafluoro-n-(2-hydroxyethyl)-N-methyl (T-7599.7) in the formulated mixture. A total of 8 formulated dose samples including vehicles ranging in concentration from 0 to 25 mg/ml were analyzed to determine concentration of T-7599.7 in the formulated mixture. To test for homogeneity of dose formulation a total of 24 formulated dose samples including vehicles ranging in concentration from 0 to 25 mg/ml were analyzed to determine concentration of T-7599.7 in the top, middle and bottom of the formulated mixture. Samples were stored refrigerated as per sponsor's shipping recommendations. For the 10-day stability, study samples were found to be within \pm 11% of the day 1 values except for the 5 mg/mL samples which were within \pm 15% of the expected dose concentration but twice (204% and 196% of Day 1 values) that found on day 1. For the dose analysis, 1 mg/ml dose formulation samples were found to be within \pm 15% of the reported concentrations but the 5 and 25 mg/mL samples were lower than expected, ranging from 55% to 69% of the expected value. For the homogeneity samples the 1 mg/mL and 5 mg/mL samples were lower than their expected concentrations ranging from 55% to 70%, but values between top, middle, and bottom samples differed by less than \pm 16%. The 25 mg/mL dose samples were within \pm 16% of expected values for both concentration and homogeneity between top, middle, and bottom samples.

KEY PERSONNEL

Raymond G. York, Ph.D., D.A.B.T.
Study Director
Argus Research Laboratories

Gregory S. Gorman, Ph.D.
Manager
Bioanalytical Chemistry Group

Lara Cook, M.S.
Research Associate II
Bioanalytical Chemistry Group

1.0 Objective

The objective of this study was to determine the stability, dose concentration, and homogeneity of dose formulations (top, middle and bottom samples) of 1-Butanesulfonamide, 1,1,2,2,3,3,4,4,4-nonafluoro-n-(2-hydroxyethyl)-N-methyl (T-7599.7) in the supplied dosing solutions received from the sponsor and to confirm the identity of the test solution.

2.0 Safety

All necessary procedures to ensure safety of the analysts were based on information contained in the Material Safety and Data Sheets, provided by the producer of the test article and the study director.

3.0 Compliance

The study described in this final report was conducted in accordance with the FDA Good Laboratory Practice Standards (21 CFR Part 58), OECD Principles of Good Laboratory Practices [C(97)186/Final], and Japanese Ministry of Health and Welfare (MHW Ordinance Number 21, March 26, 1997). The final report accurately reflects the raw data obtained during the performance of the study. There were no adverse circumstances that affected the quality or integrity of the study.

4.0 Experimental

4.1 Analytical Procedures

The sample preparation and analysis procedures as described in the analytical method BACG-3592 were employed for all analyses. For the stability study each sample was allowed to warm to room temperature, was sonicated for about 15 minutes and was then vortexed well before being sampled. An aliquot was taken from each and diluted as described in the method. For samples that were analyzed for the dose analysis and homogeneity studies, samples were allowed to come to room temperature and sonicated for 15 minutes, but would not go into solution. Samples were then run under hot water and sonicated further but would not go into solution and remained instead a suspension. These samples were quantitatively transferred and diluted as described in the chemical analysis sheets. Multiple calibration curves were prepared over a concentration range of 500 to 10,000 ng/mL and analyzed along with the samples as described in the method. The correlation coefficient for each curve was equal to or greater than 0.9991.

4.2 Results

The results of the identity testing confirmed that the found spectra (LC/MS, FT-IR and ¹³C NMR results) were consistent with the submitted substance, T-7599.7. The results of the formulation analyses are presented (Tables I - VII) corresponding to the sponsor's study number at the end of the report.

4.3 Calculations

Calculations were performed using TurboQuan (Version 1.0). The amount of analyte in the diluted dose formulation samples (ng/mL) was back calculated using a calibration curve generated from a set of calibration standards containing the equivalent amount of carboxy methyl cellulose (CMC) as in the diluted samples. The calibration curve was generated by a regression analysis to determine the best fit curve (e.g., linear, quadratic, etc.) and amount of weighting. A quadratic fit with 1/X weighting was determined to be the best fit :

$$y = ax^2 + bx + c$$

where:

y = Peak area response of test article

x = Concentration of the test article in standards.

a, b, c = Constants derived from the regression analysis.

5.0 Storage

A copy of the final report and all raw data will be stored in the Southern Research Institute archives.

6.0 Conclusion

A total of 40 T-7599.7 dose formulation samples ranging in concentration from 0 to 25 mg/mL were analyzed using method BACG-3592. For the 10-day stability study, samples were found to be within $\pm 11\%$ of the Day 1 values except for the 5 mg/mL samples which were within $\pm 15\%$ of the expected dose concentration but twice (204% and 196% of Day 1 values) that found on Day 1. This may have been due to the low values found for the 5 mg/mL samples on Day 1 (52% of expected concentration). For the dose analysis, the 1 mg/ml dose formulation samples were found to be within $\pm 15\%$ of the reported concentrations but the 5 and 25 mg/mL samples were lower than expected, ranging from 55% to 69% of the expected value. For the homogeneity samples the 1 mg/mL and 5 mg/mL samples were lower than their expected concentrations, ranging from 55% to 70% but values between top, middle, and bottom samples differed by less than $\pm 15\%$. The 25 mg/mL dose samples were within $\pm 16\%$ of expected values for both concentration and homogeneity between top, middle, and bottom samples. The variation in expected concentrations may have been due to the fact that samples were in a suspension rather than in solution and instead of assisting in solubility the presence of the 1% CMC made the samples very viscous and quantitative transfer difficult to perform.

Data presented in Tables I through VII are based on non-truncated numbers and may not be reproducible based on rounded numbers displayed. Values for each measured concentration are based on the average of two replicates per sample.

Table I

Day 1 of the 10-Day Stability Study for a Dose Formulation Containing T-7599.7 1% CMC
Sponsor Study Number T-7599.7 (Argus Research Laboratory Protocol Number: 418-027)

Day 1

Nominal	Target	Measured	Dose	
Dose concentration (mg/mL) & Sample #	Dilution (ug/mL)	Conc. (ug/mL)	Conc.(mg/mL)	% of Theoretical
0 (1 of 4)	NA	Not detected	-----	-----
0 (2 of 4)	NA	Not detected	-----	-----
1 (1 of 4)	3.0	2.3	0.8	78
1 (2 of 4)	3.0	2.5	0.8	83
5 (1 of 4)	3.0	1.7	2.8	55
5 (2 of 4)	3.0	1.5	2.6	51
25 (1 of 4)	3.0	3.0	25.2	101
25 (2 of 4)	3.0	2.8	23.1	93

Table II

Day 10 of the 10-Day Stability Study for a Dose Formulation Containing T-7599.7 1% CMC
Sponsor Study Number T-7599.7 (Argus Research Laboratory Protocol Number: 418-027)

Day 10

Nominal	Target	Measured	Dose		
Dose concentration (mg/mL) & Sample #	Dilution (ug/mL)	Conc. (ug/mL)	Conc.(mg/mL)	% of Theoretical	% of Day 1
0 (1 of 4)	NA	Not detected	-----	-----	-----
0 (2 of 4)	NA	Not detected	-----	-----	-----
1 (1 of 4)	3.0	2.3	0.8	76	98
1 (2 of 4)	3.0	2.2	0.7	75	89
5 (1 of 4)	3.0	3.4	5.6	113	204
5 (2 of 4)	3.0	3.0	5.0	101	196
25 (1 of 4)	3.0	2.9	24.4	98	97
25 (2 of 4)	3.0	3.0	24.7	99	107

Table III
Dose Formulation Analysis of T-7599.7 in 1% CMC
Sponsor Study Number T-7599.7 (Argus Research Laboratory Protocol Number: 418-027)

Nominal	Target	Measured	Dose	% of Theoretical
Dose concentration (mg/mL) & Sample I.D.	Dilution (ug/mL)	Concentration (ug/mL)	Concentration (mg/mL)	% of Theoretical
0 (1 of 4)	NA	not detected	-----	-----
0 (2 of 4)	NA	not detected	-----	-----
1 (1 of 4)	2.8	2.8	1.0	98
1 (2 of 4)	2.9	3.3	1.1	114
5 (1 of 4)	3.0	2.1	3.4	69
5 (2 of 4)	3.0	2.1	3.4	69
25 (1 of 4)	3.0	1.8	14.9	60
25 (2 of 4)	3.0	1.7	13.7	55

Tables IV, V, VI and VII
Homogeneity Dose Formulation Analysis of T-7599.7 in 1% CMC
Sponsor Study Number T-7599.7 (Argus Research Laboratory Protocol Number: 418-027)
(In the sample ID, T = top, M = middle, and B = bottom)

Table IV
Controls (0 mg/ml)

Nominal	Target	Measured	Dose	% of Theoretical
Dose concentration (mg/mL) & Sample I.D.	Dilution (ug/mL)	Concentration (ug/mL)	Concentration (mg/mL)	% of Theoretical
0 (1 of 12T)	NA	not detected	-----	-----
0 (2 of 12T)	NA	not detected	-----	-----
0 (5 of 12M)	NA	not detected	-----	-----
0 (6 of 12M)	NA	not detected	-----	-----
0 (9 of 12B)	NA	not detected	-----	-----
0 (10 of 12B)	NA	not detected	-----	-----

Table V
1 mg/ml

Nominal	Target	Measured	Dose	% of Theoretical
Dose concentration (mg/mL) & Sample I.D.	Dilution (ug/mL)	Concentration (ug/mL)	Concentration (mg/mL)	% of Theoretical
1 (1 of 12T)	3.0	2.0	0.7	65
1 (2 of 12T)	3.0	1.8	0.6	61
1 (5 of 12M)	3.0	1.7	0.6	55
1 (6 of 12M)	3.0	1.8	0.6	59
1 (9 of 12B)	3.0	2.1	0.7	69
1 (10 of 12B)	3.0	2.1	0.7	70

Table VI
5 mg/ml

Nominal	Target	Measured	Dose	
Dose concentration (mg/mL) & Sample I.D.	Dilution (ug/mL)	Concentration (ug/mL)	Concentration (mg/mL)	% of Theoretical
5 (1 of 12T)	2.9	1.7	2.8	56
5 (2 of 12T)	3.0	1.7	2.8	56
5 (5 of 12M)	3.0	1.8	2.9	58
5 (6 of 12M)	3.0	1.9	3.2	63
5 (9 of 12B)	3.0	2.0	3.4	67
5 (10 of 12B)	3.0	1.9	3.2	64

Table VII
25 mg/ml

Nominal	Target	Measured	Dose	
Dose concentration (mg/mL) & Sample I.D.	Dilution (ug/mL)	Concentration (ug/mL)	Concentration (mg/mL)	% of Theoretical
25 (1 of 12T)	3.0	3.0	24.6	98
25 (2 of 12T)	3.0	3.1	25.6	103
25 (5 of 12M)	2.9	3.4	28.9	116
25 (6 of 12M)	3.0	2.7	22.5	90
25 (9 of 12B)	3.0	2.9	23.9	96
25 (10 of 12B)	3.0	3.0	25.7	103

Calculated values are based upon non-truncated numbers and may not be reproducible based on rounded numbers displayed in tables I through VII.

7.0 Approvals

Lara Cook
Lara Cook, M.S.
Research Associate II
Bioanalytical Chemistry Group

2-11-03
Date

Gregory S. Gorman
Gregory S. Gorman, Ph.D.
Manager
Bioanalytical Chemistry Group

2/11/03
Date

Charles D. Hébert
Charles D. Hébert, Ph.D., D.A.B.T.
Director
Safety Assessment Department

2 - 11 - 03

Date

Raymond G. York
Raymond G. York, Ph.D., D.A.B.T.
Study Director
Argus Research Laboratories

12-FEB-2003
Date

TRUE COPY: Pages 1
 Original In Facility File:
 Initials/Date KAC 2/11/03

QUALITY ASSURANCE STATEMENT

Final Report On:

**Analysis of Dosing Solutions Used at Argus Research Laboratory
 For Sponsor's Study Number T-7599.7 (Argus Research Laboratory
 Protocol Number: 418-027), SRI Study A536.2**

Study No.: A536.2

Listed below are the phases and/or procedures performed by Southern Research Institute that were inspected and audited by the Quality Assurance Unit during the study described in the report. Findings were reported to the study director and management periodically.

<i>Phases/Procedures</i>	<i>Inspection/ Audit Date</i>	<i>Date Management Notified</i>	<i>Date Study Director Notified</i>
Test Substance Characterization: Liquid Chromatography/Mass Spectrometry	6/18/02	1/23/03	1/24/03
Final (Draft) Report Review And Data Audit	1/7/03-1/9/03; 1/13/03; 1/21/03	1/23/03	1/24/03
Final Report Review	2/11/03	2/11/03	2/11/03

The results presented in this final report accurately reflect the raw data.


 Kelly E. Crick, Assistant Manager, Quality Assurance

2/11/03
 Date

APPENDIX H

TEMPERATURE AND RELATIVE HUMIDITY REPORT

ARGUS

Temperature and Relative Humidity Report
Location: Room 01
Protocol Number: 418-027
Range of Dates: 12-Feb-2002 13:35 to 13-Apr-2002 09:59

Target Range: Species: Rat	Temperature 66°F to 77°F	Relative Humidity 30% to 70%
Total Number of Days:	61	61
Total Number of Hours:	1436.0	1436.0
Total Number of Data Points:	1436	1436
Mean (\pm SD):	70.6 (\pm 1.1)	54.5 (\pm 4.4)
Maximum:	73.3	66.9
Median:	70.8	55.0
Minimum:	66.6	35.3
Number of Points in Range (%):	1436 (100.0)	1436 (100.0)
Number of Points High (%):	0 (0.0)	0 (0.0)
Number of Points Low (%):	0 (0.0)	0 (0.0)

Report Generated: 24-Jun-2002 at 14:03
COMMENTS: _____

REVIEWED BY:
DATE:
Layne M. Johnson 6/25/02

APPENDIX I
POSITIVE CONTROL DATA

Historical Control Data

This Functional Observation Battery Standard Operating Procedure and Studies conducted to document the training and competency of the technical staff and Motor Activity Negative Control Data and Positive Control Data are available at the Testing Facility.

Summary Information for Functional Observation Battery

Study Number – Title	In-Life Start	Test Substance	Dosage Information		
			mg/kg	mL/kg	Number of Dosages
012-006 – Validation of Functional Observational Battery and Motor Activity Measure Using Positive Test Substances	12/89	acrylamide	50	1	7
		physostigmine	0.75	1.5	1
		DDT	75	1	1
012-014 – Neurotoxicity Evaluation of Positive Control Substances in Crl:CD®BR VAF/Plus® Rats	9/91	acrylamide	40	1	9
		IDPN	200	1	3
		carbaryl	75	5	1
		DDT	75	5	1
		triadimefon	200	5	1
012-015 – Neurotoxicity Evaluation of DDT in Crl:CD®BR VAF/Plus® Rats	3/92	DDT	75	1	1
012-017 – Neurotoxicity Evaluation of Positive Control Substances in Crl:CD®BR VAF/Plus® Rats	5/92	acrylamide	40	1	9
		IDPN	200	1	3
		carbaryl	40	5	1
		DDT	75	1	1
		d-amphetamine	4.0	1	1
012-022 – Neurotoxicity Evaluation of Carbaryl in Crl:CD®BR VAF/Plus® Rats	10/92	carbaryl	40, 200	5	1
012-031 - Neurotoxicity Evaluation of Positive Control Substances in Crl:CD®BR VAF/Plus® Rats	7/93	acrylamide	45	1	10
		IDPN	250	1	4
		carbaryl	40	5	1
		DDT	75	1	1
		d-amphetamine	4	1	1

012-056 – Neurotoxicity Evaluation of Positive Control Substances in Crl:CD®BR VAF/Plus® Rats	11/95	acrylamide	45	1	10
		IDPN	250	1	5
		carbaryl	40	1	1
		DDT	75	1	1
		d-amphetamine	4.0	1	1
012-075 – Neurotoxicity Evaluation of Positive Control Substances in Crl:CD®BR VAF/Plus® Rats	3/98	acrylamide	30	1	17
		trimethyltin	8	1	1
		MK-801	0.3	1	1
		carbaryl	100	4	1
		DDT	100	2	1
012-081 – Neurotoxicity Evaluation of Positive Control Substances in Crl:CD®BR VAF/Plus® Rats	11/01	acrylamide	30	1	10
		IDPN	250	1	1
		d-amphetamine	40	1	1
		carbaryl	100	4	1
		DDT	100	2	5

Summary Information for Motor Activity

Study – Title	In-Life Start	Test Substance	Dosage Information		
			mg/kg	mL/kg	Number of Dosages
012-011 – The Assessment of Motor Activity in Neonatal and Adult Rodents using Passive Infrared Sensors	5/91	d-amphetamine	0.75, 1.5, 4	1	1
		chlorpromazine	1, 2, 4	1	1
012-014 – Neurotoxicity Evaluation of Positive Control Substances in Crl:CD®BR VAF/Plus® Rats	9/91	acrylamide	40	1	9
		IDPN	200	1	3
		carbaryl	75	5	1
		DDT	75	5	1
		triadimefon	200	5	1
012-016 – Motor Activity Evaluation in Crl:CD®BR VAF/Plus® Rats Administered Chlorpromazine and d-Amphetamine (Positive Control Study)		d-amphetamine	0.5, 1, 4	1	1
		chlorpromazine	1, 2, 4	1	1
012-058 – Neurotoxicity Evaluation of Positive Control Substances in Crl:CD®BR VAF/Plus® Rats	4/96	acrylamide	45	1	10
		d-amphetamine	0.75	1	1
		trimethyltin	8	1	1
		MK-801	10	1	1

APPENDIX J
HISTOPATHOLOGY REPORT

RESEARCH PATHOLOGY SERVICES, INC.

438 East Butler Avenue, New Britain, PA 18901
Phone: 215-345-7070 • Fax: 215-345-4326

ORAL (Gavage) COMBINED REPEATED DOSE TOXICITY STUDY
OF T 7599.7 WITH THE REPRODUCTION/DEVELOPMENTAL
TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599
HISTOPATHOLOGY REPORT

SUBMITTED TO:
Raymond G. York, Ph.D., D.A.B.T.
Argus Research
905 Sheehy Drive
Horsham, PA 19044

SUBMITTED BY:

W. Ray Brown Feb. 25, 2003
W. Ray Brown, D.V.M., Ph.D.
Veterinary Pathologist

February 25, 2003

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

HISTOPATHOLOGY REPORT

TABLE OF CONTENTS

REPORT

	<u>Page</u>
Method	1
Results	3
Summary.....	5
Quality Assurance Unit Statement	6

TABLE

1. Incidence and Degree of Severity of Histomorphologic Observations.....	7
---	---

APPENDIX

I. Histomorphologic Observations	I-1 to I-13
Key to Histomorphologic Observations	I-1
Tables	
I-1.Histomorphologic Observations - Group I Male Rats.....	I-2
I-2.Histomorphologic Observations - Group II Male Rats.....	I-4
I-3.Histomorphologic Observations - Group III Male Rats.....	I-5
I-4.Histomorphologic Observations - Group IV Male Rats	I-6
I-5.Histomorphologic Observations - Group I Female Rats	I-8
I-6.Histomorphologic Observations - Group II Female Rats	I-10
I-7.Histomorphologic Observations - Group III Female Rats	I-11
I-8.Histomorphologic Observations - Group IV Female Rats	I-12
II. Individual Animal Gross and Histomorphology Data.....	II-1 TO II-80

**ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599**

HISTOPATHOLOGY REPORT

METHOD

Microscopic examination was made of the specified tissues from 40 male and 40 female Crl:CD[®](SD)IGS BR VAF/Plus[®] rats in an oral (gavage) combined repeated dose toxicity study of T 7599.7 with the reproduction/developmental toxicity screening test. A brief outline of the study design showing the dose group identification, dosage levels of the test and control substances and number of male and female rats examined group are shown below.

DOSAGE GROUP	NUMBER OF RATS PER SEX	DOSAGE (mg/kg/day)	CONCENTRATION (mg/mL)	DOSE VOLUME (mL/kg)
I	10	0 (Vehicle)	0	10
II	10	10	1	10
III	10	50	5	10
IV	10	250	25	10

The test substance was considered to be 100% active for the purpose of dosage calculations.

The rats were given the test substance and/or vehicle beginning before cohabitation, through mating and continued for at least 28 days (male rats), or through parturition until Day 5 of lactation (female rats). Dosages were adjusted daily for body weight changes and given at approximately the same time each day. Scheduled sacrifice of male rats was on the day following the last dosage administration, after a minimum of 28 days of dosage. Scheduled sacrifice of female rats was on Day 6 of lactation.

All rats were necropsied and the specified tissues were collected and placed in 10% neutral buffered formalin for fixation. The testes were fixed in Bouin's solution for 48 to 96 hours and then retained in 10% neutral buffered formalin. The in-life portion of the study, necropsies, and recording of the gross necropsy observations were performed by the staff of Argus Research, Horsham, PA. The tissue processing, microscopic slide preparation and histopathologic evaluation were performed by Research Pathology Services, Inc.

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

HISTOPATHOLOGY REPORT

The tissues specified for microscopic evaluation from the male and female rats of Groups I and IV included: brain, duodenum, jejunum, ileum, cecum, colon, rectum, Peyer's patch, lung, submandibular and mediastinal lymph nodes, sciatic nerve, stomach, kidneys, spleen, thymus, trachea, urinary bladder, testes, epididymides, seminal vesicles, coagulating gland, prostate, spinal cord (cervical, lumbar and thoracic), liver, adrenal glands, heart, thyroid, parathyroid, uterus, bone marrow (sternum), ovaries, uterus, vagina, mammary gland (female rats) and all other tissues with gross changes. In addition, the liver of male and female rats, stomach of male rats and thymus of female rats were examined from the intermediate dosage groups. Representative samples of these tissues were routinely processed, embedded in paraffin, sectioned, and stained with hematoxylin and eosin for microscopic evaluation.

Upon completion of the project, all raw data (remaining wet tissue, paraffin blocks, microscopic slides and histology records) will be returned to Argus Research for archiving.

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

HISTOPATHOLOGY REPORT

RESULTS

The type, incidence and degree of severity of the histomorphologic changes in the specified tissues for the male and female rats are presented in Table 1. The microscopic observations in each rat are summarized in tabular form in Appendix I (Tables I-1 to I-8). A key to the histomorphologic observations precedes Table I-1. The gross necropsy observations, detailed descriptions of the microscopic observations, and a correlation of the microscopic findings with the gross changes in these rats, when applicable, are contained in Appendix II.

No treatment-related microscopic changes were observed in any of the male rats given 10 mg/kg/day or in female rats given 10 or 50 mg/kg/day of the test substance.

Treatment-related microscopic changes were observed in the liver of male rats of the 50 and 250 mg/kg/day dosage groups and female rats of the 250 mg/kg/day dosage group, thymus of female rats of the 250 mg/kg/day dosage group and stomach of the male rats of the 250 mg/kg/day dosage group.

The treatment-related microscopic change in the liver consisted of minimal or mild enlargement (hypertrophy) of centrilobular hepatocytes in most male and female rats of the 250 mg/kg/day dosage group and in 4/10 male rats of the 50 mg/kg/day dosage group. The enlargement was due to an increased amount of finely granular, dense eosinophilic cytoplasm. The incidence and severity of the change occurred in a dose-related manner. Also, in three of the affected high dose male rats, necrosis of individual enlarged hepatocytes was seen in centrilobular areas (Table 1).

The treatment-related effect in the thymus consisted of an increased incidence and severity of atrophy of the thymic lobules in female rats of the 250 mg/kg/day dosage group. Single incidences of thymic atrophy occurred in female rats of the control and lower dosage groups, but the increased incidence and severity of this effect in the high dosage group was considered to be treatment-related.

Microscopic examination of the stomach revealed focal erosions in the pyloric glandular mucosa of two high dose male rats. Although the incidence was low, this

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

HISTOPATHOLOGY REPORT

change may be treatment-related. Other changes observed in the stomach which occurred at a somewhat varied and sporadic incidence in the control and compound-treated male rats included edema with or without inflammation (infiltrations of polymorphonuclear inflammatory cells) in the submucosa of the glandular and nonglandular (forestomach) areas. The very slight increased incidence and severity (Table 1) of these changes in these areas of the stomach of the high dose male rats may also be treatment-related. However, these changes were not clearly associated with the erosions.

All other microscopic changes were considered to have occurred spontaneously and to be incidental and unrelated to compound administration. The type, incidence and severity of these changes were not influenced by compound administration. These changes also are listed in the attached histomorphology tables.

One high dosage group male rat had early lymphosarcoma in the spleen only. There was no evidence of disseminated involvement. Although this is a Group IV rat, it is still considered to have been incidental and a spontaneously-occurring effect.

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

HISTOPATHOLOGY REPORT

SUMMARY

Microscopic examination was made of the specified tissues from four groups of 10 male and 10 female Crl:CD[®](SD)IGS BR VAF/Plus[®] rats used in an oral (gavage) combined repeated dose toxicity study of T 7599.7 with the reproduction/developmental toxicity screening test. The four groups of rats had been given 0 (vehicle), or 10, 50 or 250 mg/kg/day of T 7599.7, orally by gavage, once daily for the protocol-specified number of days.

No treatment-related microscopic changes were observed in the male rats given 10 mg/kg/day or female rats given 10 or 50 mg/kg/day of the test substance.

Treatment-related microscopic changes were observed in the liver of male rats of the 50 and 250 mg/kg/day dosage groups and female rats of the 250 mg/kg/day dosage group, thymus of female rats given 250 mg/kg/day and stomach of male rats given 250 mg/kg/day of the test substance.

The treatment-related effect in the liver consisted of minimal to mild hypertrophy of centrilobular hepatocytes in the mid and high dosage group male rats and in the high dosage group female rats. A low incidence of high dose male rats had individual-cell necrosis of affected centrilobular hepatocytes.

The treatment-related change in the thymus was an increased incidence and severity of atrophy of the thymic lobules in female rats of the high dosage group. There were single incidences of atrophy in each of the control and lower dosage groups, but this increased incidence in the 250 mg/kg/day dosage group was considered to be treatment-related.

The treatment-related change in the stomach in male rats of the high dosage group consisted of a low incidence of focal erosions of the pyloric glandular mucosa. A varied incidence of edema and inflammation of the submucosa of the nonglandular and glandular areas also was observed in a few rats at a slightly higher incidence and severity in Group 4 and this may also be related to compound-related.

All other changes were considered to be spontaneous in origin and not treatment-related. The type, incidence or severity of these changes were not considered to be influenced by administration of T 7599.7.

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

HISTOPATHOLOGY REPORT

QUALITY ASSURANCE UNIT STATEMENT

All aspects of the tissue processing, microscopic slide preparation, histopathologic evaluation and report preparation for the study listed above have been performed according to the Standard Operating Procedures of Research Pathology Services, Inc. and were audited in accordance with the procedures established by the Quality Assurance Unit of Research Pathology Services, Inc. in compliance with the regulations as specified in the protocol.

Quality Assurance inspections were performed on 04/08/02, 04/12/02, 04/18/02, 04/19/02, 04/23/02, 04/24/02, 05/22/02, 06/05/02, 06/07/02, 07/10/02, 07/11/02, 07/12/02, and 02/25/03 and findings were reported to management on 04/30/02, 05/31/02, 06/28/02 and 02/25/03. There were no deviations from the protocol, Standard Operating Procedures and/or appropriate Good Laboratory Practice regulations noted during the conduct of the study that had an impact on study integrity. The summary report of QA inspections is included in the final report submitted to the Study Director on February 25, 2003.

Karen W. Harkins, BS

Karen W. Harkins, BS
Quality Assurance Unit

02-25-03

Date

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE 1
 Incidence and Degree of Severity of Histomorphologic Observations

Dose Group:	I	II	III	IV	I	II	III	IV
Sex:	M	M	M	M	F	F	F	F
Number of Animals/Group:	10	10	10	10	10	10	10	10
<u>ADRENAL GLANDS:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	8	0	0	6	9	0	0	10
-infiltration, mononuclear-cell, multifocal minimal	[0] 0	[0] 0	[0] 0	[0] 0	[1] 1	[0] 0	[0] 0	[0] 0
-vacuolation, cortex minimal mild	[2] 1	[0] 0	[0] 0	[3] 3	[0] 0	[0] 0	[0] 0	[0] 0
<u>BONE MARROW (STERNUM):</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	10	10	0	0	10
<u>BRAIN:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	10	10	0	0	10
<u>CECUM:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	9	0	0	10	10	0	0	10
-inflammation, mucosa, chronic mild	[1] 1	[0] 0						
<u>COAGULATING GLAND:</u>								
NO. EXAMINED	10	0	0	10				
NO. NORMAL	10	0	0	10				
<u>COLON:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	10	10	0	0	10
<u>DUODENUM:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	10	10	0	0	10
<u>EPIDIDYMIDES:</u>								
NO. EXAMINED	10	0	0	10				
NO. NORMAL	8	0	0	9				
-infiltration, mononuclear-cell, focal minimal	[2] 2	[0] 0	[0] 0	[1] 1				
<u>EXTREMITIES:</u>								
NO. EXAMINED	0	0	0	1	0	0	0	0
NO. NORMAL	0	0	0	0	0	0	0	0
-dermatitis, ulcerative, focal mild	[0] 0	[0] 0	[0] 0	[1] 1	[0] 0	[0] 0	[0] 0	[0] 0
<u>HEART:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	9	0	0	9	9	0	0	9

[] = Total incidence of specified lesion, all grades.

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE 1 (Continued)

Incidence and Degree of Severity of Histomorphologic Observations

Dose Group:	I	II	III	IV	I	II	III	IV
Sex:	M	M	M	M	F	F	F	F
Number of Animals/Group:	10	10	10	10	10	10	10	10
<u>HEART (Continued):</u>								
-inflammation, subacute, focal/multifocal	[1]	[0]	[0]	[1]	[0]	[0]	[0]	[1]
minimal	0	0	0	1	0	0	0	1
mild	1	0	0	0	0	0	0	0
-pericarditis, chronic, focal	[0]	[0]	[0]	[0]	[1]	[0]	[0]	[0]
minimal	0	0	0	0	1	0	0	0
<u>ILEUM:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	10	10	0	0	10
<u>JEJUNUM:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	10	10	0	0	10
<u>KIDNEYS:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	7	0	0	6	8	0	0	6
-cyst(s), medulla	0	0	0	2	0	0	0	0
-dilatation, pelvis	[1]	[0]	[0]	[0]	[0]	[0]	[0]	[0]
mild	1	0	0	0	0	0	0	0
-edema, papillary	[1]	[0]	[0]	[0]	[0]	[0]	[0]	[0]
minimal	1	0	0	0	0	0	0	0
-infiltration, mononuclear-cell, focal	[1]	[0]	[0]	[0]	[0]	[0]	[0]	[0]
minimal	1	0	0	0	0	0	0	0
-mineralization, multifocal	[0]	[0]	[0]	[1]	[2]	[0]	[0]	[2]
minimal	0	0	0	1	2	0	0	2
-nephritis, chronic, focal	[0]	[0]	[0]	[1]	[0]	[0]	[0]	[0]
minimal	0	0	0	1	0	0	0	0
-pyelitis, chronic	[0]	[0]	[0]	[0]	[0]	[0]	[0]	[1]
minimal	0	0	0	0	0	0	0	1
-vacuolation, cortical tubular epithelium	[0]	[0]	[0]	[0]	[0]	[0]	[0]	[1]
mild	0	0	0	0	0	0	0	1
<u>LIVER:</u>								
NO. EXAMINED	10	10	10	10	10	10	10	10
NO. NORMAL	3	1	1	0	5	8	3	1
-hematopoiesis, extramedullary, multifocal	[0]	[0]	[0]	[0]	[0]	[0]	[1]	[0]
minimal	0	0	0	0	0	0	1	0

[] = Total incidence of specified lesion, all grades.

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE 1 (Continued)

Incidence and Degree of Severity of Histomorphologic Observations

Dose Group:	I	II	III	IV	I	II	III	IV
Sex:	M	M	M	M	F	F	F	F
Number of Animals/Group:	10	10	10	10	10	10	10	10
<u>LIVER (Continued):</u>								
-hypertrophy, hepatocellular, centrilobular	[0]	[0]	[4]	[10]	[0]	[0]	[0]	[8]
minimal	0	0	4	2	0	0	0	6
mild	0	0	0	8	0	0	0	2
-inflammation, chronic, focal/multifocal	[7]	[7]	[6]	[4]	[3]	[2]	[6]	[5]
minimal	6	5	6	3	3	2	6	5
mild	1	2	0	1	0	0	0	0
-lipidosis, tension, focal	0	1	0	1	0	0	0	1
-necrosis, focal	[0]	[0]	[0]	[1]	[1]	[1]	[0]	[0]
minimal	0	0	0	1	1	1	0	0
-necrosis, individual hepatocytes	[0]	[0]	[0]	[3]	[0]	[0]	[0]	[0]
minimal	0	0	0	2	0	0	0	0
mild	0	0	0	1	0	0	0	0
-vacuolation, hepatocellular, multifocal	[0]	[0]	[0]	[0]	[1]	[0]	[0]	[0]
minimal	0	0	0	0	1	0	0	0
-vacuolation, hepatocellular, periportal	[1]	[2]	[0]	[0]	[0]	[0]	[0]	[1]
minimal	1	2	0	0	0	0	0	1
<u>LUNG:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	9	0	0	9	8	0	0	10
-inflammation, interstitial, multifocal	[1]	[0]	[0]	[1]	[1]	[0]	[0]	[0]
minimal	1	0	0	1	1	0	0	0
-macrophages, alveoli, focal	[0]	[0]	[0]	[1]	[1]	[0]	[0]	[0]
minimal	0	0	0	1	1	0	0	0
<u>LYMPH NODE, MEDIASTINAL:</u>								
NO. EXAMINED	9	0	0	10	9	0	0	9
NO. NORMAL	8	0	0	8	7	0	0	7
-congestion/erythrophagocytosis	[1]	[0]	[0]	[2]	[1]	[0]	[0]	[2]
minimal	1	0	0	1	1	0	0	0
mild	0	0	0	1	0	0	0	2
-hyperplasia, lymphocytic/plasmacytic	[0]	[0]	[0]	[0]	[1]	[0]	[0]	[0]
minimal	0	0	0	0	1	0	0	0
-macrophages, pigmented	[0]	[0]	[0]	[0]	[2]	[0]	[0]	[0]
minimal	0	0	0	0	2	0	0	0
<u>LYMPH NODE, SUBMANDIBULAR:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	5	0	0	4	1	0	0	2

[] = Total incidence of specified lesion, all grades.

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE 1 (Continued)

Incidence and Degree of Severity of Histomorphologic Observations

Dose Group:	I	II	III	IV	I	II	III	IV
Sex:	M	M	M	M	F	F	F	F
Number of Animals/Group:	10	10	10	10	10	10	10	10
<u>LYMPH NODE, SUBMANDIBULAR (Continued):</u>								
-hyperplasia, lymphocytic/plasmacytic	[5]	[0]	[0]	[6]	[9]	[0]	[0]	[8]
minimal	3	0	0	4	4	0	0	1
mild	2	0	0	1	3	0	0	3
moderate	0	0	0	1	2	0	0	4
<u>MAMMARY GLAND:</u>								
NO. EXAMINED					10	0	0	10
NO. NORMAL					0	0	0	0
-hyperplasia, physiological					10	0	0	10
-inflammation, subacute					[1]	[0]	[0]	[0]
mild					1	0	0	0
<u>NERVE, SCIATIC:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	10	10	0	0	10
<u>OVARIES:</u>								
NO. EXAMINED					10	0	0	9
NO. NORMAL					10	0	0	9
<u>PARATHYROID:</u>								
NO. EXAMINED	10	0	0	8	10	0	0	10
NO. NORMAL	10	0	0	8	10	0	0	10
<u>PEYER'S PATCH:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	9	10	0	0	10
-mineralization	[0]	[0]	[0]	[1]	[0]	[0]	[0]	[0]
minimal	0	0	0	1	0	0	0	0
<u>PROSTATE:</u>								
NO. EXAMINED	10	0	0	10				
NO. NORMAL	8	0	0	6				
-atrophy, focal	[1]	[0]	[0]	[1]				
minimal	1	0	0	1				
-inflammation, chronic, multifocal	[1]	[0]	[0]	[2]				
minimal	1	0	0	2				
-prostatitis, suppurative	[0]	[0]	[0]	[1]				
marked	0	0	0	1				
<u>RECTUM:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	9	0	0	8	10	0	0	10

[] = Total incidence of specified lesion, all grades.

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE 1 (Continued)

Incidence and Degree of Severity of Histomorphologic Observations

Dose Group:	I M 10	II M 10	III M 10	IV M 10	I F 10	II F 10	III F 10	IV F 10
<u>RECTUM (Continued):</u>								
-edema/inflammation, submucosa moderate	[1] 1	[0] 0	[0] 0	[0] 0	[0] 0	[0] 0	[0] 0	[0] 0
-parasite(s)	0	0	0	2	0	0	0	0
<u>SEMINAL VESICLES:</u>								
NO. EXAMINED	10	0	0	10				
NO. NORMAL	10	0	0	10				
<u>SPINAL CORD, CERVICAL:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	10	10	0	0	10
<u>SPINAL CORD, LUMBAR:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	10	10	0	0	10
<u>SPINAL CORD, THORACIC:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	10	10	0	0	10
<u>SPLEEN:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	8	6	0	0	6
-atrophy mild	[0] 0	[0] 0	[0] 0	[0] 0	[0] 0	[0] 0	[0] 0	[1] 1
-hematopoiesis, extramedullary, increased minimal	[0] 0	[0] 0	[0] 0	[1] 1	[4] 1	[0] 0	[0] 0	[3] 3
mild	0	0	0	0	3	0	0	0
-lymphosarcoma	0	0	0	1	0	0	0	0
<u>STOMACH:</u>								
NO. EXAMINED	10	10	10	10	10	0	0	10
NO. NORMAL	6	7	8	3	9	0	0	10
-dilatation, mucosal glands minimal	[3] 3	[2] 1	[2] 2	[3] 2	[1] 1	[0] 0	[0] 0	[0] 0
mild	0	1	0	1	0	0	0	0
-edema/inflammation, submucosa, glandular area minimal	[2] 1	[0] 0	[2] 2	[3] 0	[0] 0	[0] 0	[0] 0	[0] 0
mild	1	0	0	1	0	0	0	0
moderate	0	0	0	2	0	0	0	0

[] = Total incidence of specified lesion, all grades.

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE 1 (Continued)

Incidence and Degree of Severity of Histomorphologic Observations

Dose Group:	I	II	III	IV	I	II	III	IV
Sex:	M	M	M	M	F	F	F	F
Number of Animals/Group:	10	10	10	10	10	10	10	10
<u>STOMACH (Continued):</u>								
-edema/inflammation, submucosa, nonglandular area	[1]	[1]	[0]	[4]	[0]	[0]	[0]	[0]
minimal	1	0	0	2	0	0	0	0
mild	0	0	0	1	0	0	0	0
moderate	0	1	0	1	0	0	0	0
-erosion(s), glandular mucosa	[0]	[0]	[0]	[2]	[0]	[0]	[0]	[0]
minimal	0	0	0	1	0	0	0	0
mild	0	0	0	1	0	0	0	0
<u>TAIL:</u>								
NO. EXAMINED	0	0	0	0	0	0	0	1
NO. NORMAL	0	0	0	0	0	0	0	1
<u>TESTES:</u>								
NO. EXAMINED	10	0	0	10				
NO. NORMAL	10	0	0	10				
<u>THYMUS:</u>								
NO. EXAMINED	10	0	0	10	10	10	10	9
NO. NORMAL	10	0	0	10	9	9	9	4
-atrophy	[0]	[0]	[0]	[0]	[1]	[1]	[1]	[5]
minimal	0	0	0	0	1	1	1	2
mild	0	0	0	0	0	0	0	2
moderate	0	0	0	0	0	0	0	1
<u>THYROID:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	7	0	0	7	7	0	0	5
-hypertrophy, follicular epithelium	[1]	[0]	[0]	[0]	[0]	[0]	[0]	[0]
mild	1	0	0	0	0	0	0	0
-ultimobranchial body/cyst	3	0	0	3	3	0	0	5
<u>TRACHEA:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	9	0	0	10	10	0	0	10
-inflammation, chronic, focal	[1]	[0]	[0]	[0]	[0]	[0]	[0]	[0]
minimal	1	0	0	0	0	0	0	0
<u>URINARY BLADDER:</u>								
NO. EXAMINED	10	0	0	10	10	0	0	10
NO. NORMAL	10	0	0	10	10	0	0	10
<u>UTERUS:</u>								
NO. EXAMINED					10	0	0	10
NO. NORMAL					2	0	0	1

[] = Total incidence of specified lesion, all grades.

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE 1 (Continued)

Incidence and Degree of Severity of Histomorphologic Observations

Dose Group:	I	II	III	IV	I	II	III	IV
Sex:	M	M	M	M	F	F	F	F
Number of Animals/Group:	10	10	10	10	10	10	10	10
<u>UTERUS (Continued):</u>								
-distention, lumen					[1]	[0]	[0]	[1]
minimal					1	0	0	0
moderate					0	0	0	1
-hemorrhage, endometrium					[0]	[0]	[0]	[1]
mild					0	0	0	1
-inflammation, endometrium, diffuse					[0]	[0]	[0]	[1]
mild					0	0	0	1
-macrophages, pigmented					[8]	[0]	[0]	[9]
minimal					1	0	0	2
mild					0	0	0	2
moderate					7	0	0	5
-thrombus					2	0	0	1
<u>VAGINA:</u>								
NO. EXAMINED					10	0	0	10
NO. NORMAL					8	0	0	8
-inflammation, acute					[0]	[0]	[0]	[1]
moderate					0	0	0	1
-mucification					[2]	[0]	[0]	[2]
moderate					2	0	0	1
marked					0	0	0	1

[] = Total incidence of specified lesion, all grades.

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

HISTOPATHOLOGY REPORT

APPENDIX I

HISTOMORPHOLOGIC OBSERVATIONS

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

HISTOPATHOLOGY REPORT

KEY TO HISTOMORPHOLOGIC OBSERVATIONS

- = No change (not remarkable, within normal histologic limits or indicated change not present).
- * = Tissue not available (specified tissue missing, insufficient tissue in plane of section, artifact precludes evaluation, or specified tissue not present in section).
- < > = Microscopic finding(s) in tissue(s) with gross observation(s).
- <-> = Within normal limits [no microscopic change(s) to correlate with the gross observation(s)].
- XM = Primary malignant neoplasm present.
- P = Indicated change or lesion present
- 1 = Minimal degree or amount of indicated change or lesion.
- 2 = Mild degree or amount of indicated change or lesion.
- 3 = Moderate degree or amount of indicated change or lesion.
- 4 = Marked degree or amount of indicated change or lesion.
- SS = Scheduled Sacrifice

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-1
Histomorphologic Observations

Dose Group:	I	I	I	I	I	I	I	I	I	I	I
Animal Number:	17608	17618	17630	17631	17639	17648	17652	17656	17658	17659	17660
Sex:	M	M	M	M	M	M	M	M	M	M	M
Death Type:	SS										
<u>ADRENAL GLANDS:</u>											
-vacuolation, cortex	2	-	1	-	-	-	-	-	-	-	-
<u>BONE MARROW (STERNUM):</u>	-	-	-	-	-	-	-	-	-	-	-
<u>BRAIN:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>CECUM:</u>											
-inflammation, mucosa, chronic	-	2	-	-	-	-	-	-	-	-	-
<u>COAGULATING GLAND:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>COLON:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>DUODENUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>EPIDIDYMIDES:</u>											
-infiltration, mononuclear-cell, focal	-	-	-	-	1	-	-	1	-	-	-
<u>HEART:</u>											
-inflammation, subacute, focal/multifocal	-	-	-	-	-	2	-	-	-	-	-
<u>ILEUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>JEJUNUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>KIDNEYS:</u>											
-dilatation, pelvis	-	-	-	2	-	-	-	-	-	-	-
-edema, papillary	-	-	-	-	-	-	-	1	-	-	-
-infiltration, mononuclear-cell, focal	-	-	-	-	-	1	-	-	-	-	-
<u>LIVER:</u>											
-inflammation, chronic, focal/multifocal	1	2	1	1	-	1	1	-	-	-	1
-vacuolation, hepatocellular, periportal	-	-	-	1	-	-	-	-	-	-	-
<u>LUNG:</u>											
-inflammation, interstitial, multifocal	1	-	-	-	-	-	-	-	-	-	-
<u>LYMPH NODE, MEDIASTINAL:</u>											
-congestion/erythrophagocytosis	-	-	*	-	1	-	-	-	-	-	-
<u>LYMPH NODE, SUBMANDIBULAR:</u>											
-hyperplasia, lymphocytic/plasmacytic	-	-	-	2	1	2	-	1	-	-	1
<u>NERVE, SCIATIC:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>PARATHYROID:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>PEYER'S PATCH:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>PROSTATE:</u>	-	-	-	1	-	-	-	-	-	-	-
-atrophy, focal	-	-	-	-	-	-	-	-	-	-	-

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-1 (Continued)

Histomorphologic Observations

Dose Group:	I	I	I	I	I	I	I	I	I	I	I
Animal Number:	17608	17618	17630	17631	17639	17648	17652	17656	17658	17659	17660
Sex:	M	M	M	M	M	M	M	M	M	M	M
Death Type:	SS										
<u>PROSTATE (Continued):</u>											
-inflammation, chronic, multifocal	-	-	-	-	-	-	-	1	-	-	-
<u>RECTUM:</u>											
-edema/inflammation, submucosa	-	-	-	-	-	-	-	3	-	-	-
<u>SEMINAL VESICLES:</u>											
<u>SPINAL CORD, CERVICAL:</u>											
<u>SPINAL CORD, LUMBAR:</u>											
<u>SPINAL CORD, THORACIC:</u>											
<u>SPLEEN:</u>											
<u>STOMACH:</u>											
-dilatation, mucosal glands	-	1	1	-	-	1	-	-	-	-	-
-edema/inflammation, submucosa, glandular area	-	1	-	-	-	-	2	-	-	-	-
-edema/inflammation, submucosa, nonglandular area	-	-	1	-	-	-	-	-	-	-	-
<u>TESTES:</u>											
<u>THYMUS:</u>											
<u>THYROID:</u>											
-hypertrophy, follicular epithelium	-	-	-	2	-	-	-	-	-	-	-
-ultimobranchial body/cyst	P	-	-	P	-	-	-	-	P	-	-
<u>TRACHEA:</u>											
-inflammation, chronic, focal	1	-	-	-	-	-	-	-	-	-	-
<u>URINARY BLADDER:</u>											

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-2
Histomorphologic Observations

Dose Group:	II	II									
Animal Number:	17634	17635	17638	17642	17643	17645	17649	17651	17653	17655	
Sex:	M	M	M	M	M	M	M	M	M	M	M
Death Type:	SS	SS									
<u>LIVER:</u>											
-inflammation, chronic, focal/multifocal	1	1	-	2	2	1	1	-	-	-	1
-lipidosis, tension, focal	-	-	P	-	-	-	-	-	-	-	-
-vacuolation, hepatocellular, periportal	-	1	-	-	-	-	-	-	1	-	-
<u>STOMACH:</u>											
-dilatation, mucosal glands	-	1	-	-	2	-	-	-	-	-	-
-edema/inflammation, submucosa, nonglandular area	-	-	-	-	-	-	-	3	-	-	-

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-3

Histomorphologic Observations

Dose Group:	III	III									
Animal Number:	17620	17623	17627	17628	17633	17640	17646	17650	17657	17659	
Sex:	M	M	M	M	M	M	M	M	M	M	
Death Type:	SS										
<u>LIVER:</u>											
-hypertrophy, hepatocellular, centrilobular	1	-	1	-	1	-	-	1	-	-	-
-inflammation, chronic, focal/multifocal	-	1	1	1	-	-	1	-	1	-	1
<u>STOMACH:</u>											
-dilatation, mucosal glands	1	-	-	-	-	-	-	1	-	-	-
-edema/inflammation, submucosa, glandular area	1	-	-	-	-	-	-	-	1	-	-

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-4

Histomorphologic Observations

Dose Group:	IV										
Animal Number:	17621	17622	17625	17629	17636	17637	17641	17644	17647	17647	17654
Sex:	M	M	M	M	M	M	M	M	M	M	M
Death Type:	SS										
<u>ADRENAL GLANDS:</u>											
-vacuolation, cortex	1	-	-	-	1	-	-	1	-	-	-
<u>BONE MARROW (STERNUM):</u>	-	-	-	-	-	-	-	-	-	-	-
<u>BRAIN:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>CECUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>COAGULATING GLAND:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>COLON:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>DUODENUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>EPIDIDYMIDES:</u>											
-infiltration, mononuclear-cell, focal	-	-	-	-	-	-	-	-	-	1	-
<u>EXTREMITIES:</u>											
-dermatitis, ulcerative, focal					<2>						
<u>HEART:</u>											
-inflammation, subacute, focal/multifocal	-	-	-	-	-	-	-	-	-	-	1
<u>ILEUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>JEJUNUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>KIDNEYS:</u>											
-cyst(s), medulla	-	-	-	P	P	-	-	-	-	-	-
-mineralization, multifocal	-	-	-	-	-	-	-	1	-	-	-
-nephritis, chronic, focal	-	-	-	-	-	-	-	-	-	-	1
<u>LIVER:</u>											
-hypertrophy, hepatocellular, centrilobular	2	2	2	2	1	2	2	2	2	2	1
-inflammation, chronic, focal/multifocal	2	-	-	-	1	-	1	-	-	-	1
-lipidosis, tension, focal	-	-	-	-	-	-	-	-	-	-	P
-necrosis, focal	-	-	1	-	-	-	-	-	-	-	-
-necrosis, individual hepatocytes	-	-	-	-	-	1	1	2	-	-	-
<u>LUNG:</u>											
-inflammation, interstitial, multifocal	-	-	-	1	-	-	-	-	-	-	-
-macrophages, alveoli, focal	-	-	-	1	-	-	-	-	-	-	-
<u>LYMPH NODE, MEDIASTINAL:</u>											
-congestion/erythrophagocytosis	-	-	-	-	2	-	1	-	-	-	-
<u>LYMPH NODE, SUBMANDIBULAR:</u>											
-hyperplasia, lymphocytic/plasmacytic	1	3	1	2	-	-	1	1	-	-	-
<u>NERVE, SCIATIC:</u>	-	-	-	-	-	-	-	-	-	-	-

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-4 (Continued)

Histomorphologic Observations

Dose Group:	IV	IV									
Animal Number:	17621	17622	17625	17629	17636	17637	17641	17644	17647	17654	
Sex:	M	M	M	M	M	M	M	M	M	M	
Death Type:	SS										
<u>PARATHYROID:</u>	-	-	-	-	*	-	-	*	-	-	
<u>PEYER'S PATCH:</u>	-	-	-	-	-	1	-	-	-	-	
-mineralization	-	-	-	-	-	-	-	-	-	-	
<u>PROSTATE:</u>	-	1	-	-	-	-	-	-	-	-	
-atrophy, focal	-	1	-	-	-	-	-	-	-	-	
-inflammation, chronic, multifocal	-	-	-	1	-	-	-	1	-	-	
-prostatitis, suppurative	-	-	-	-	<4>	-	-	-	-	-	
<u>RECTUM:</u>	P	-	-	-	P	-	-	-	-	-	
-parasite(s)	P	-	-	-	P	-	-	-	-	-	
<u>SEMINAL VESICLES:</u>	-	-	-	-	-	-	-	-	-	-	
<u>SPINAL CORD, CERVICAL:</u>	-	-	-	-	-	-	-	-	-	-	
<u>SPINAL CORD, LUMBAR:</u>	-	-	-	-	-	-	-	-	-	-	
<u>SPINAL CORD, THORACIC:</u>	-	-	-	-	-	-	-	-	-	-	
<u>SPLEEN:</u>	-	-	-	-	-	-	-	1	-	-	
-hematopoiesis, extramedullary, increased	-	-	-	-	-	-	-	1	-	-	
-lymphosarcoma	<XM>	-	-	-	-	-	-	-	-	-	
<u>STOMACH:</u>	-	-	-	1	-	1	2	-	-	-	
-dilatation, mucosal glands	-	-	-	1	-	1	2	-	-	-	
-edema/inflammation, submucosa, glandular area	-	-	-	-	3	2	-	-	3	-	
-edema/inflammation, submucosa, nonglandular area	-	-	-	1	2	1	-	-	3	-	
-erosion(s), glandular mucosa	1	2	-	-	-	-	-	-	-	-	
<u>TESTES:</u>	-	-	-	-	-	-	-	-	-	-	
<u>THYMUS:</u>	-	-	-	-	-	-	-	-	-	-	
<u>THYROID:</u>	-	-	-	P	P	P	-	-	-	-	
-ultimobranchial body/cyst	-	-	-	P	P	P	-	-	-	-	
<u>TRACHEA:</u>	-	-	-	-	-	-	-	-	-	-	
<u>URINARY BLADDER:</u>	-	-	-	-	-	-	-	-	-	-	

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-5

Histomorphologic Observations

Dose Group:	I	I	I	I	I	I	I	I	I	I	I
Animal Number:	17681	17690	17694	17695	17703	17713	17715	17716	17717	17718	
Sex:	F	F	F	F	F	F	F	F	F	F	
Death Type:	SS										
<u>ADRENAL GLANDS:</u>											
-infiltration, mononuclear-cell, multifocal	-	-	-	-	-	-	-	1	-	-	-
<u>BONE MARROW (STERNUM):</u>	-	-	-	-	-	-	-	-	-	-	-
<u>BRAIN:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>CECUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>COLON:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>DUODENUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>HEART:</u>											
-pericarditis, chronic, focal	-	-	-	-	-	-	1	-	-	-	-
<u>ILEUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>JEJUNUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>KIDNEYS:</u>											
-mineralization, multifocal	1	-	-	-	1	-	-	-	-	-	-
<u>LIVER:</u>											
-inflammation, chronic, focal/multifocal	-	1	-	-	1	-	1	-	-	-	-
-necrosis, focal	-	-	-	-	-	-	-	1	-	-	-
-vacuolation, hepatocellular, multifocal	-	-	-	-	-	1	-	-	-	-	-
<u>LUNG:</u>											
-inflammation, interstitial, multifocal	-	-	-	-	-	-	-	-	1	-	-
-macrophages, alveoli, focal	-	-	1	-	-	-	-	-	-	-	-
<u>LYMPH NODE, MEDIASTINAL:</u>											
-congestion/erythrophagocytosis	-	-	1	-	-	-	-	-	-	*	
-hyperplasia, lymphocytic/plasmacytic	-	-	-	1	-	-	-	-	-	*	
-macrophages, pigmented	-	-	1	1	-	-	-	-	-	*	
<u>LYMPH NODE, SUBMANDIBULAR:</u>											
-hyperplasia, lymphocytic/plasmacytic	3	1	2	-	3	1	2	1	2	1	
<u>MAMMARY GLAND:</u>											
-hyperplasia, physiological	P	P	P	P	P	P	P	P	P	P	
-inflammation, subacute	-	-	-	-	-	-	-	-	-	2	
<u>NERVE, SCIATIC:</u>	-	-	-	-	-	-	-	-	-	-	
<u>OVARIES:</u>	-	-	-	-	-	-	-	-	-	-	
<u>PARATHYROID:</u>	-	-	-	-	-	-	-	-	-	-	
<u>PEYER'S PATCH:</u>	-	-	-	-	-	-	-	-	-	-	

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-5 (Continued)

Histomorphologic Observations

Dose Group:	I	I	I	I	I	I	I	I	I	I	I
Animal Number:	17681	17690	17694	17695	17703	17713	17715	17716	17717	17718	
Sex:	F	F	F	F	F	F	F	F	F	F	
Death Type:	SS										
<u>RECTUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>SPINAL CORD, CERVICAL:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>SPINAL CORD, LUMBAR:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>SPINAL CORD, THORACIC:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>SPLEEN:</u>											
-hematopoiesis, extramedullary, increased	2	-	-	2	2	-	1	-	-	-	-
<u>STOMACH:</u>											
-dilatation, mucosal glands	-	1	-	-	-	-	-	-	-	-	-
<u>THYMUS:</u>											
-atrophy	-	-	-	-	-	-	-	-	-	-	1
<u>THYROID:</u>											
-ultimobranchial body/cyst	P	-	-	-	P	-	-	-	P	-	-
<u>TRACHEA:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>URINARY BLADDER:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>UTERUS:</u>											
-distention, lumen	-	-	-	-	-	1	-	-	-	-	-
-macrophages, pigmented	-	-	1	3	3	3	3	3	3	3	3
-thrombus	-	-	P	-	-	-	P	-	-	-	-
<u>VAGINA:</u>											
-mucification	3	3	-	-	-	-	-	-	-	-	-

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-6

Histomorphologic Observations

Dose Group:	II	II									
Animal Number:	17675	17679	17684	17688	17698	17702	17704	17707	17708	17709	
Sex:	F	F	F	F	F	F	F	F	F	F	
Death Type:	SS										

LIVER:

-inflammation, chronic, focal/multifocal	-	-	-	-	-	-	1	1	-	-
-necrosis, focal	-	-	-	-	-	-	-	1	-	-

THYMUS:

-atrophy	-	-	-	-	1	-	-	-	-	-
----------	---	---	---	---	---	---	---	---	---	---

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-7

Histomorphologic Observations

Dose Group:	III	III	III								
Animal Number:	17687	17693	17697	17700	17701	17705	17706	17709	17718		17720
Sex:	F	F	F	F	F	F	F	F	F	F	F
Death Type:	SS	SS	SS								

LIVER:

-inflammation, chronic, focal/multifocal	-	1	-	1	1	1	1	-	-	-	1
--	---	---	---	---	---	---	---	---	---	---	---

THYMUS:

-atrophy	-	-	1	-	-	-	-	-	-	-	-
----------	---	---	---	---	---	---	---	---	---	---	---

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-8

Histomorphologic Observations

Dose Group:	IV	IV	IV	IV	IV						
Animal Number:	17685	17686	17689	17691	17692	17696	17699		17711	17712	17714
Sex:	F	F	F	F	F	F	F	F	F	F	F
Death Type:	SS	SS	SS	SS	SS						
<u>ADRENAL GLANDS:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>BONE MARROW (STERNUM):</u>	-	-	-	-	-	-	-	-	-	-	-
<u>BRAIN:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>CECUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>COLON:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>DUODENUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>HEART:</u>											
-inflammation, subacute, focal/multifocal	-	-	-	-	-	1	-	-	-	-	-
<u>ILEUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>JEJUNUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>KIDNEYS:</u>											
-mineralization, multifocal	-	-	-	-	1	-	1	-	-	-	-
-pyelitis, chronic	1	-	-	-	-	-	-	-	-	-	-
-vacuolation, cortical tubular epithelium	-	-	-	-	-	-	-	2	-	-	-
<u>LIVER:</u>											
-hypertrophy, hepatocellular, centrilobular	1	-	1	1	1	-	1	2	1	2	
-inflammation, chronic, focal/multifocal	-	1	1	1	-	-	1	-	1	-	
-lipidoses, tension, focal	P	-	-	-	-	-	-	-	-	-	
-vacuolation, hepatocellular, periportal	-	-	-	-	-	-	-	1	-	-	
<u>LUNG:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>LYMPH NODE, MEDIASTINAL:</u>											
-congestion/erythrophagocytosis	-	-	2	-	2	-	-	-	-	-	*
<u>LYMPH NODE, SUBMANDIBULAR:</u>											
-hyperplasia, lymphocytic/plasmacytic	3	3	2	1	3	2	3	-	2	-	
<u>MAMMARY GLAND:</u>											
-hyperplasia, physiological	P	P	P	P	P	P	P	P	P	P	P
<u>NERVE, SCIATIC:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>OVARIES:</u>	-	*	-	-	-	-	-	-	-	-	-
<u>PARATHYROID:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>PEYER'S PATCH:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>RECTUM:</u>	-	-	-	-	-	-	-	-	-	-	-
<u>SPINAL CORD, CERVICAL:</u>	-	-	-	-	-	-	-	-	-	-	-

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

TABLE I-8 (Continued)

Histomorphologic Observations

Dose Group:	IV 17685	IV 17686	IV 17689	IV 17691	IV 17692	IV 17696	IV 17699	IV 17711	IV 17712	IV 17714
Animal Number:	F	F	F	F	F	F	F	F	F	F
Sex:	SS									
Death Type:										
<u>SPINAL CORD, LUMBAR:</u>	-	-	-	-	-	-	-	-	-	-
<u>SPINAL CORD, THORACIC:</u>	-	-	-	-	-	-	-	-	-	-
<u>SPLEEN:</u>										
-atrophy	-	-	-	-	-	-	-	2	-	-
-hematopoiesis, extramedullary, increased	-	-	1	-	-	-	1	-	-	1
<u>STOMACH:</u>	-	-	-	-	-	-	-	-	-	-
<u>TAIL:</u>										<->
<u>THYMUS:</u>										
-atrophy	-	-	-	-	2	<*>	1	3	1	2
<u>THYROID:</u>										
-ultimobranchial body/cyst	-	P	-	P	-	P	P	-	-	P
<u>TRACHEA:</u>	-	-	-	-	-	-	-	-	-	-
<u>URINARY BLADDER:</u>	-	-	-	-	-	-	-	-	-	-
<u>UTERUS:</u>										
-distention, lumen	-	-	-	-	-	3	-	-	-	-
-hemorrhage, endometrium	-	-	-	-	-	-	-	2	-	-
-inflammation, endometrium, diffuse	-	-	-	-	-	2	-	-	-	-
-macrophages, pigmented	1	1	2	3	-	3	3	3	2	3
-thrombus	-	-	-	-	-	-	-	-	-	P
<u>VAGINA:</u>										
-inflammation, acute	-	-	-	-	-	-	-	3	-	-
-mucification	-	3	-	-	-	-	-	4	-	-

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

HISTOPATHOLOGY REPORT

APPENDIX II

INDIVIDUAL ANIMAL GROSS AND HISTOMORPHOLOGY DATA

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17608
 SEX: M

DOSE GROUP: I
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

ADRENAL GLANDS:	vacuolation, cortex (mild)
LIVER:	inflammation, chronic, focal/multifocal (minimal)
LUNG:	inflammation, interstitial, multifocal (minimal)
THYROID:	ultimobranchial body/cyst
TRACHEA:	inflammation, chronic, focal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

BONE MARROW (STERNUM)	BRAIN	CECUM	COAGULATING GLAND
COLON	DUODENUM	EPIDIDYMIDES	HEART
ILEUM	JEJUNUM	KIDNEYS	LYMPH NODE, MEDIASTINAL
LYMPH NODE, SUBMANDIBULAR	NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH
PROSTATE	RECTUM	SEMINAL VESICLES	SPINAL CORD, CERVICAL
SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN	STOMACH
TESTES	THYMUS	URINARY BLADDER	

End of Record- 17608

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17618
 SEX: M

DOSE GROUP: I
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

CECUM:	inflammation, mucosa, chronic (mild)
LIVER:	inflammation, chronic, focal/multifocal (mild)
STOMACH:	dilatation, mucosal glands (minimal) edema/inflammation, submucosa, glandular area (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	COAGULATING GLAND
COLON	DUODENUM	EPIDIDYMIDES	HEART
ILEUM	JEJUNUM	KIDNEYS	LUNG
LYMPH NODE, MEDIASTINAL	LYMPH NODE, SUBMANDIBULAR	NERVE, SCIATIC	PARATHYROID
PEYER'S PATCH	PROSTATE	RECTUM	SEMINAL VESICLES
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN
TESTES	THYMUS	THYROID	TRACHEA
URINARY BLADDER			

End of Record- 17618

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17630 DOSE GROUP: I
SEX: M DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): HISTOMORPHOLOGIC OBSERVATION(S):
GENERAL: No gross changes. Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

ADRENAL GLANDS: vacuolation, cortex (minimal)
LIVER: inflammation, chronic, focal/multifocal (minimal)
STOMACH: dilatation, mucosal glands (minimal)

edema/inflammation, submucosa, nonglandular area (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

BONE MARROW (STERNUM)	BRAIN	CECUM	COAGULATING GLAND
COLON	DUODENUM	EPIDIDYMIDES	HEART
ILEUM	JEJUNUM	KIDNEYS	LUNG
LYMPH NODE, SUBMANDIBULAR	NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH
PROSTATE	RECTUM	SEMINAL VESICLES	SPINAL CORD, CERVICAL
SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN	TESTES
THYMUS	THYROID	TRACHEA	URINARY BLADDER

TISSUE(S) NOT AVAILABLE FOR EVALUATION:

LYMPH NODE, MEDIASTINAL

End of Record- 17630

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17631
SEX: M

DOSE GROUP: I
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

KIDNEYS:
LIVER:

dilatation, pelvis (mild)

vacuolation, hepatocellular, periportal (minimal)

inflammation, chronic, focal/multifocal (minimal)

LYMPH NOD

hyperplasia, lymphocytic

PROSTATE

atrophy, focal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	EPIDIDYMIIDES
HEART	ILEUM	JEJUNUM	LUNG
LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH
RECTUM	SEMINAL VESICLES	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR
SPINAL CORD, THORACIC	SPLEEN	STOMACH	TESTES
THYMUS	TRACHEA	URINARY BLADDER	

End of Record- 17631

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17639 DOSE GROUP: I
SEX: M DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): HISTOMORPHOLOGIC OBSERVATION(S):
GENERAL: No gross changes. Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

EPIDIDYMIDES: infiltration, mononuclear-cell, focal (minimal)
LYMPH NODE, MEDIASTINAL: congestion/erythrophagocytosis (minimal)
LYMPH NODE, SUBMANDIBULAR: hyperplasia, lymphocytic/plasmacytic (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	HEART
ILEUM	JEJUNUM	KIDNEYS	LIVER
LUNG	NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH
PROSTATE	RECTUM	SEMINAL VESICLES	SPINAL CORD, CERVICAL
SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN	STOMACH
TESTES	THYMUS	THYROID	TRACHEA
URINARY BLADDER			

End of Record- 17639

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17648	DOSE GROUP: I
SEX: M	DEATH TYPE: Sacrifice-Scheduled

<u>GROSS OBSERVATION(S):</u>	<u>HISTOMORPHOLOGIC OBSERVATION(S):</u>
------------------------------	---

<u>GENERAL:</u> No gross changes.	Not applicable
-----------------------------------	----------------

<u>HISTOMORPHOLOGIC OBSERVATIONS:</u>

HEART:	inflammation, subacute, focal/multifocal (mild)
KIDNEYS:	infiltration, mononuclear-cell, focal (minimal)
LIVER:	inflammation, chronic, focal/multifocal (minimal)
LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (mild)
STOMACH:	dilatation, mucosal glands (minimal)

<u>THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:</u>

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	EPIDIDYMIDES
ILEUM	JEJUNUM	LUNG	LYMPH NODE, MEDIASTINAL
NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH	PROSTATE
RECTUM	SEMINAL VESICLES	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR
SPINAL CORD, THORACIC	SPLEEN	TESTES	THYMUS
THYROID	TRACHEA	URINARY BLADDER	

End of Record- 17648

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17652
 SEX: M

DOSE GROUP: I
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:	inflammation, chronic, focal/multifocal (minimal)
RECTUM:	edema/inflammation, submucosa (moderate)
STOMACH:	edema/inflammation, submucosa, glandular area (mild)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	EPIDIDYMIDES
HEART	ILEUM	JEJUNUM	KIDNEYS
LUNG	LYMPH NODE, MEDIASTINAL	LYMPH NODE, SUBMANDIBULAR	NERVE, SCIATIC
PARATHYROID	PEYER'S PATCH	PROSTATE	SEMINAL VESICLES
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN
TESTES	THYMUS	THYROID	TRACHEA
URINARY BLADDER			

End of Record- 17652

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17656 DOSE GROUP: I
SEX: M DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): HISTOMORPHOLOGIC OBSERVATION(S):
GENERAL: No gross changes Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

EPIDIDYMIDES: infiltration, mononuclear-cell, focal (minimal)
KIDNEYS: edema, papillary (minimal)
LYMPH NODE, SUBMANDIBULAR: hyperplasia, lymphocytic/plasmacytic (minimal)
PROSTATE: inflammation, chronic, multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	HEART
ILEUM	JEJUNUM	LIVER	LUNG
LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH
RECTUM	SEMINAL VESICLES	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR
SPINAL CORD, THORACIC	SPLEEN	STOMACH	TESTES
THYMUS	THYROID	TRACHEA	URINARY BLADDER

End of Record- 17656

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17658 DOSE GROUP: I
SEX: M DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): HISTOMORPHOLOGIC OBSERVATION(S):
GENERAL: No gross changes. Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

THYROID: ultimobranchial body/cyst

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	EPIDIDYMIDES
HEART	ILEUM	JEJUNUM	KIDNEYS
LIVER	LUNG	LYMPH NODE, MEDIASTINAL	LYMPH NODE, SUBMANDIBULAR
NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH	PROSTATE
RECTUM	SEMINAL VESICLES	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR
SPINAL CORD, THORACIC	SPLEEN	STOMACH	TESTES
THYMUS	TRACHEA	URINARY BLADDER	

End of Record- 17658

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17660 DOSE GROUP: I
 SEX: M DEATH TYPE: Sacrifice-Scheduled
 =====

GROSS OBSERVATION(S): HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes. Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: inflammation, chronic, focal/multifocal (minimal)
 LYMPH NODE, SUBMANDIBULAR: hyperplasia, lymphocytic/plasmacytic (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	EPIDIDYMIDES
HEART	ILEUM	JEJUNUM	KIDNEYS
LUNG	LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC	PARATHYROID
PEYER'S PATCH	PROSTATE	RECTUM	SEMINAL VESICLES
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN
STOMACH	TESTES	THYMUS	THYROID
TRACHEA	URINARY BLADDER		

End of Record- 17660

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17634
SEX: M

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17634

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17635
SEX: M

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

vacuolation, hepatocellular, periportal (minimal)
inflammation, chronic, focal/multifocal (minimal)

STOMACH:

dilatation, mucosal glands (minimal)

End of Record- 17635

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17638
SEX: M

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: Lipidosis, tension, focal

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17638

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17642
SEX: M

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (mild)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17642

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17643
SEX: M

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:
STOMACH:

inflammation, chronic, focal/multifocal (mild)
dilatation, mucosal glands (mild)

End of Record- 17643

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17645
SEX: M

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17645

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17649 DOSE GROUP: II
SEX: M DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): _____ HISTOMORPHOLOGIC OBSERVATION(S): _____

GENERAL: No gross changes. Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: inflammation, chronic, focal/multifocal (minimal)
STOMACH: edema/inflammation, submucosa, nonglandular area (moderate)

End of Record- 17649

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17651
SEX: M

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER STOMACH

End of Record- 17651

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17653
SEX: M

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

vacuolation, hepatocellular, periportal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17653

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17655 DOSE GROUP: II
SEX: M DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): _____ HISTOMORPHOLOGIC OBSERVATION(S): _____

GENERAL: No gross changes. Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17655

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17620
SEX: M

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:
STOMACH:

hypertrophy, hepatocellular, centrilobular (minimal)
edema/inflammation, submucosa, glandular area (minimal)
dilatation, mucosal glands (minimal)

End of Record- 17620

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17623
SEX: M

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17623

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17627
SEX: M

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: inflammation, chronic, focal/multifocal (minimal)
hypertrophy, hepatocellular, centrilobular (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17627

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17628
SEX: M

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17628

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17633
SEX: M

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: hypertrophy, hepatocellular, centrilobular (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17633

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17640
SEX: M

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER STOMACH

End of Record- 17640

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17646
SEX: M

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17646

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17650 DOSE GROUP: III
SEX: M DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): _____ HISTOMORPHOLOGIC OBSERVATION(S): _____

GENERAL: No gross changes. Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: hypertrophy, hepatocellular, centrilobular (minimal)
STOMACH: dilatation, mucosal glands (minimal)

edema/inflammation, submucosa, glandular area (minimal)

End of Record- 17650

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17657
SEX: M

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17657

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17659
SEX: M

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

STOMACH

End of Record- 17659

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17621	DOSE GROUP: IV
SEX: M	DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): HISTOMORPHOLOGIC OBSERVATION(S):

SPLEEN: Nodule, 0.3cm (trimming observation). Lymphosarcoma

HISTOMORPHOLOGIC OBSERVATIONS:

ADRENAL GLANDS:	vacuolation, cortex (minimal)
LIVER:	inflammation, chronic, focal/multifocal (mild)
LYMPH NODE, SUBMANDIBULAR:	hypertrophy, hepatocellular, centrilobular (mild)
RECTUM:	hyperplasia, lymphocytic/plasmacytic (minimal)
SPLEEN:	parasite(s)
STOMACH:	lymphosarcoma, malignant
	erosion(s), glandular mucosa (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

BONE MARROW (STERNUM)	BRAIN	CECUM	COAGULATING GLAND
COLON	DUODENUM	EPIDIDYMIDES	HEART
ILEUM	JEJUNUM	KIDNEYS	LUNG
LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH
PROSTATE	SEMINAL VESICLES	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR
SPINAL CORD, THORACIC	TESTES	THYMUS	THYROID
TRACHEA	URINARY BLADDER		

NEOPLASMS:

SPLEEN Lymphosarcoma, malignant

End of Record- 17621

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17622
 SEX: M

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

EXTREMITIES: Right front leg- scab.

dermatitis, ulcerative, focal

HISTOMORPHOLOGIC OBSERVATIONS:

EXTREMITIES:	dermatitis, ulcerative, focal (mild)
LIVER:	hypertrophy, hepatocellular, centrilobular (mild)
LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (moderate)
PROSTATE:	atrophy, focal (minimal)
STOMACH:	erosion(s), glandular mucosa (mild)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	EPIDIDYMIDES
HEART	ILEUM	JEJUNUM	KIDNEYS
LUNG	LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC	PARATHYROID
PEYER'S PATCH	RECTUM	SEMINAL VESICLES	SPINAL CORD, CERVICAL
SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN	TESTES
THYMUS	THYROID	TRACHEA	URINARY BLADDER

End of Record- 17622

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17625 DOSE GROUP: IV
SEX: M DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): _____ **HISTOMORPHOLOGIC OBSERVATION(S):** _____

GENERAL: No gross changes. Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

ADRENAL GLANDS:
LIVER:
LYMPH NODE, SUBMANDIBULAR:

hypertrophy/vacuolation, zona glomerulosa (mild)
necrosis, focal (minimal)
hypertrophy, hepatocellular, centrilobular (mild)
hyperplasia, lymphocytic/plasmacytic (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

BONE MARROW (STERNUM)	BRAIN	CECUM	COAGULATING GLAND
COLON	DUODENUM	EPIDIDYMIDES	HEART
ILEUM	JEJUNUM	KIDNEYS	LUNG
LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH
PROSTATE	RECTUM	SEMINAL VESICLES	SPINAL CORD, CERVICAL
SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN	STOMACH
TESTES	THYMUS	THYROID	TRACHEA
URINARY BLADDER			

End of Record- 17625

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17629 DOSE GROUP: IV
SEX: M DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): HISTOMORPHOLOGIC OBSERVATION(S):
GENERAL: No gross changes Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

KIDNEYS:	cyst(s), medulla
LIVER:	hypertrophy, hepatocellular, centrilobular (mild)
LUNG:	macrophages, alveoli, focal (minimal) inflammation, interstitial, multifocal (minimal)
LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (mild)
PROSTATE:	inflammation, chronic, multifocal (minimal)
STOMACH:	edema/inflammation, submucosa, nonglandular area (minimal) dilatation, mucosal glands (minimal)
THYROID:	ultimobranchial body/cyst

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	EPIDIDYMIDES
HEART	ILEUM	JEJUNUM	LYMPH NODE, MEDIASTINAL
NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH	RECTUM
SEMINAL VESICLES	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
SPLEEN	TESTES	THYMUS	TRACHEA
URINARY BLADDER			

COMMENTS:

STOMACH The edema/inflammation is most prominent at the limiting ridge.

End of Record- 17629

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17636

SEX: M

DOSE GROUP: IV

DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):HISTOMORPHOLOGIC OBSERVATION(S):

PROSTATE: Right hemisphere- firm, lobular mass, tan in color, measuring 2.8cm x 0.9cm x 0.7cm, cut surface reveals tan, smooth surface, ventral right side red in color.

prostatitis, suppurative

HISTOMORPHOLOGIC OBSERVATIONS:

ADRENAL GLANDS:

vacuolation, cortex (minimal)

KIDNEYS:

cyst(s), medulla

LIVER:

inflammation, chronic, focal/multifocal (minimal)

LYMPH NODE, MEDIASTINAL:

hypertrophy, hepatocellular, centrilobular (minimal)

PROSTATE:

congestion/erythrophagocytosis (mild)

RECTUM:

prostatitis, suppurative (marked)

STOMACH:

parasite(s)

THYROID:

edema/inflammation, submucosa, glandular area (moderate)

edema/inflammation, submucosa, nonglandular area (mild)

ultimobranchial body/cyst

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

BONE MARROW (STERNUM)	BRAIN	CECUM	COAGULATING GLAND
COLON	DUODENUM	EPIDIDYMIDES	HEART
ILEUM	JEJUNUM	LUNG	LYMPH NODE, SUBMANDIBULAR
NERVE, SCIATIC	PEYER'S PATCH	SEMINAL VESICLES	SPINAL CORD, CERVICAL
SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN	TESTES
THYMUS	TRACHEA	URINARY BLADDER	

TISSUE(S) NOT AVAILABLE FOR EVALUATION:

PARATHYROID

End of Record- 17636

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17637
 SEX: M

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:	necrosis, individual hepatocytes (minimal)
PEYER'S PATCH:	hypertrophy, hepatocellular, centrilobular (mild)
STOMACH:	mineralization (minimal)
THYROID:	edema/inflammation, submucosa, nonglandular area (minimal)
	edema/inflammation, submucosa, glandular area (mild)
	dilatation, mucosal glands (minimal)
	ultimobranchial body/cyst

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	EPIDIDYMIDES
HEART	ILEUM	JEJUNUM	KIDNEYS
LUNG	LYMPH NODE, MEDIASTINAL	LYMPH NODE, SUBMANDIBULAR	NERVE, SCIATIC
PARATHYROID	PROSTATE	RECTUM	SEMINAL VESICLES
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN
TESTES	THYMUS	TRACHEA	URINARY BLADDER

End of Record- 17637

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17641

DOSE GROUP: IV

SEX: M

DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):HISTOMORPHOLOGIC OBSERVATION(S):GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:KIDNEYS:
LIVER:mineralization, multifocal (minimal)
inflammation, chronic, focal/multifocal (minimal)
hypertrophy, hepatocellular, centrilobular (mild)LYMPH NODE, MEDIASTINAL:
LYMPH NODE, SUBMANDIBULAR:
STOMACH:necrosis, individual hepatocytes (minimal)
congestion/erythrophagocytosis (minimal)
hyperplasia, lymphocytic/plasmacytic (minimal)
dilatation, mucosal glands (mild)THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	EPIDIDYMIDES
HEART	ILEUM	JEJUNUM	LUNG
NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH	PROSTATE
RECTUM	SEMINAL VESICLES	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR
SPINAL CORD, THORACIC	SPLEEN	TESTES	THYMUS
THYROID	TRACHEA	URINARY BLADDER	

End of Record- 17641

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17644
 SEX: M

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

ADRENAL GLANDS:
 LIVER:

vacuolation, cortex (minimal)
 hypertrophy, hepatocellular, centrilobular (mild)

LYMPH NODE, SUBMANDIBULAR:
 PROSTATE:
 SPLEEN:

necrosis, individual hepatocytes (mild)
 hyperplasia, lymphocytic/plasmacytic (minimal)
 inflammation, chronic, multifocal (minimal)
 hematopoiesis, extramedullary, increased (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

BONE MARROW (STERNUM)	BRAIN	CECUM	COAGULATING GLAND
COLON	DUODENUM	EPIDIDYMIDES	HEART
ILEUM	JEJUNUM	KIDNEYS	LUNG
LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC	PEYER'S PATCH	RECTUM
SEMINAL VESICLES	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
STOMACH	TESTES	THYMUS	THYROID
TRACHEA	URINARY BLADDER		

TISSUE(S) NOT AVAILABLE FOR EVALUATION:

PARATHYROID

End of Record- 17644

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17647

SEX: M

DOSE GROUP: IV

DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):HISTOMORPHOLOGIC OBSERVATION(S):GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

EPIDIDYMIDES:

infiltration, mononuclear-cell, focal (minimal)
 LIVER: hypertrophy, hepatocellular, centrilobular (mild)
 STOMACH: edema/inflammation, submucosa, nonglandular area (moderate)
 edema/inflammation, submucosa, glandular area (moderate)THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	HEART
ILEUM	JEJUNUM	KIDNEYS	LUNG
LYMPH NODE, MEDIASTINAL	LYMPH NODE, SUBMANDIBULAR	NERVE, SCIATIC	PARATHYROID
PEYER'S PATCH	PROSTATE	RECTUM	SEMINAL VESICLES
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN
TESTES	THYMUS	THYROID	TRACHEA
URINARY BLADDER			

End of Record- 17647

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17654
 SEX: M

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

HEART:	inflammation, subacute, focal/multifocal (minimal)
KIDNEYS:	nephritis, chronic, focal (minimal)
LIVER:	lipidosis, tension, focal
	inflammation, chronic, focal/multifocal (minimal)
	hypertrophy, hepatocellular, centrilobular (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COAGULATING GLAND	COLON	DUODENUM	EPIDIDYMIDES
ILEUM	JEJUNUM	LUNG	LYMPH NODE, MEDIASTINAL
LYMPH NODE, SUBMANDIBULAR	NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH
PROSTATE	RECTUM	SEMINAL VESICLES	SPINAL CORD, CERVICAL
SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN	STOMACH
TESTES	THYMUS	THYROID	TRACHEA
URINARY BLADDER			

End of Record- 17654

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17681
 SEX: F

DOSE GROUP: I
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

KIDNEYS:

mineralization, multifocal (minimal)

LYMPH NODE, SUBMANDIBULAR:

hyperplasia, lymphocytic/plasmacytic (moderate)

MAMMARY GLAND:

hyperplasia, physiological

SPLEEN:

hematopoiesis, extramedullary, increased (mild)

THYROID:

ultimobranchial body/cyst

VAGINA:

mucification (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	LIVER	LUNG	LYMPH NODE, MEDIASTINAL
NERVE, SCIATIC	OVARIES	PARATHYROID	PEYER'S PATCH
RECTUM	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
STOMACH	THYMUS	TRACHEA	URINARY BLADDER
UTERUS			

End of Record- 17681

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17690
 SEX: F

DOSE GROUP: I
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:	inflammation, chronic, focal/multifocal (minimal)
LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (minimal)
MAMMARY GLAND:	hyperplasia, physiological
STOMACH:	dilatation, mucosal glands (minimal)
VAGINA:	mucification (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	KIDNEYS	LUNG	LYMPH NODE, MEDIASTINAL
NERVE, SCIATIC	OVARIES	PARATHYROID	PEYER'S PATCH
RECTUM	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
SPLEEN	THYMUS	THYROID	TRACHEA
URINARY BLADDER	UTERUS		

End of Record- 17690

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17694
 SEX: F

DOSE GROUP: I
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LUNG:	macrophages, alveoli, focal (minimal)
LYMPH NODE, MEDIASTINAL:	macrophages, pigmented (minimal)
LYMPH NODE, SUBMANDIBULAR:	congestion/erythrophagocytosis (minimal)
MAMMARY GLAND:	hyperplasia, lymphocytic/plasmacytic (mild)
UTERUS:	hyperplasia, physiological
	thrombus
	macrophages, pigmented (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	KIDNEYS	LIVER	NERVE, SCIATIC
OVARIES	PARATHYROID	PEYER'S PATCH	RECTUM
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN
STOMACH	THYMUS	THYROID	TRACHEA
URINARY BLADDER	VAGINA		

End of Record- 17694

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17695
 SEX: F

DOSE GROUP: I
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LYMPH NODE, MEDIASTINAL:

hyperplasia, lymphocytic/plasmacytic (minimal)
 macrophages, pigmented (minimal)

MAMMARY GLAND:

hyperplasia, physiological

SPLEEN:

hematopoiesis, extramedullary, increased (mild)

UTERUS:

macrophages, pigmented (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	KIDNEYS	LIVER	LUNG
LYMPH NODE, SUBMANDIBULAR	NERVE, SCIATIC	OVARIES	PARATHYROID
PEYER'S PATCH	RECTUM	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR
SPINAL CORD, THORACIC	STOMACH	THYMUS	THYROID
TRACHEA	URINARY BLADDER	VAGINA	

End of Record- 17695

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17703
 SEX: F

DOSE GROUP: I
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

KIDNEYS:	mineralization, multifocal (minimal)
LIVER:	inflammation, chronic, focal/multifocal (minimal)
LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (moderate)
MAMMARY GLAND:	hyperplasia, physiological
SPLEEN:	hematopoiesis, extramedullary, increased (mild)
THYROID:	ultimobranchial body/cyst
UTERUS:	macrophages, pigmented (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	LUNG	LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC
OVARIES	PARATHYROID	PEYER'S PATCH	RECTUM
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	STOMACH
THYMUS	TRACHEA	URINARY BLADDER	VAGINA

End of Record- 17703

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17713
 SEX: F

DOSE GROUP: I
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

HEART:	pericarditis, chronic, focal (minimal)
LIVER:	vacuolation, hepatocellular, multifocal (minimal)
LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (minimal)
MAMMARY GLAND:	hyperplasia, physiological
UTERUS:	macrophages, pigmented (moderate) distention, lumen (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	ILEUM	JEJUNUM
KIDNEYS	LUNG	LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC
OVARIES	PARATHYROID	PEYER'S PATCH	RECTUM
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN
STOMACH	THYMUS	THYROID	TRACHEA
URINARY BLADDER	VAGINA		

End of Record- 17713

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17715
 SEX: F

DOSE GROUP: I
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

ADRENAL GLANDS:	infiltration, mononuclear-cell, multifocal (minimal)
LIVER:	inflammation, chronic, focal/multifocal (minimal)
LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (mild)
MAMMARY GLAND:	hyperplasia, physiological
SPLEEN:	hematopoiesis, extramedullary, increased (minimal)
UTERUS:	thrombus
	macrophages, pigmented (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

BONE MARROW (STERNUM)	BRAIN	CECUM	COLON
DUODENUM	HEART	ILEUM	JEJUNUM
KIDNEYS	LUNG	LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC
OVARIES	PARATHYROID	PEYER'S PATCH	RECTUM
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	STOMACH
THYMUS	THYROID	TRACHEA	URINARY BLADDER
VAGINA			

End of Record- 17715

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17716	DOSE GROUP: I
SEX: F	DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): **HISTOMORPHOLOGIC OBSERVATION(S):**

GENERAL: No gross changes. **Not applicable**

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:	necrosis, focal (minimal)
LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (minimal)
MAMMARY GLAND:	hyperplasia, physiological
UTERUS:	macrophages, pigmented (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	KIDNEYS	LUNG	LYMPH NODE, MEDIASTINAL
NERVE, SCIATIC	OVARIES	PARATHYROID	PEYER'S PATCH
RECTUM	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
SPLEEN	STOMACH	THYMUS	THYROID
TRACHEA	URINARY BLADDER	VAGINA	

End of Record- 17716

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17717
 SEX: F

DOSE GROUP: I
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LUNG:	inflammation, interstitial, multifocal (minimal)
LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (mild)
MAMMARY GLAND:	hyperplasia, physiological
THYROID:	ultimobranchial body/cyst
UTERUS:	macrophages, pigmented (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	KIDNEYS	LIVER	LYMPH NODE, MEDIASTINAL
NERVE, SCIATIC	OVARIES	PARATHYROID	PEYER'S PATCH
RECTUM	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
SPLEEN	STOMACH	THYMUS	TRACHEA
URINARY BLADDER	VAGINA		

End of Record- 17717

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17719	DOSE GROUP: I
SEX: F	DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes. Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (minimal)
MAMMARY GLAND:	inflammation, subacute (mild)
THYMUS:	hyperplasia, physiological
UTERUS:	atrophy (minimal)
	macrophages, pigmented (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	KIDNEYS	LIVER	LUNG
NERVE, SCIATIC	OVARIES	PARATHYROID	PEYER'S PATCH
RECTUM	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
SPLEEN	STOMACH	THYROID	TRACHEA
URINARY BLADDER	VAGINA		

TISSUE(S) NOT AVAILABLE FOR EVALUATION:

LYMPH NODE, MEDIASTINAL

End of Record- 17719

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17675
SEX: F

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER THYMUS

End of Record- 17675

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17679 DOSE GROUP: II
SEX: F DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes. Not applicable

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER THYMUS

End of Record- 17679

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17684
SEX: F

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER THYMUS

End of Record- 17684

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17688 DOSE GROUP: II
SEX: F DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes. Not applicable

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER THYMUS

End of Record- 17688

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17698
SEX: F

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

THYMUS: atrophy (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER

End of Record- 17698

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17702

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER THYMUS

End of Record- 17702

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17704
SEX: F

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

THYMUS

End of Record- 17704

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17707
SEX: F

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

necrosis, focal (minimal)
inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

THYMUS

End of Record- 17707

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17708
SEX: F

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER THYMUS

End of Record- 17708

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17710

DOSE GROUP: II
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER THYMUS

End of Record- 17710

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17687

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER THYMUS

End of Record- 17687

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17693
SEX: F

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

THYMUS

End of Record- 17693

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17697
SEX: F

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

THYMUS: atrophy (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER

End of Record- 17697

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17700
SEX: F

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

THYMUS

End of Record- 17700

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17701
SEX: F

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

THYMUS

End of Record- 17701

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17705
SEX: F

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

THYMUS

End of Record- 17705

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17706
SEX: F

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

THYMUS

End of Record- 17706

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17709

SEX: F

DOSE GROUP: III

DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

LIVER THYMUS

End of Record- 17709

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17718 DOSE GROUP: III
SEX: F DEATH TYPE: Sacrifice-Scheduled
=====

GROSS OBSERVATION(S): _____ HISTOMORPHOLOGIC OBSERVATION(S): _____

GENERAL: No gross changes. Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: hematopoiesis, extramedullary, multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

THYMUS

End of Record- 17718

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17720
SEX: F

DOSE GROUP: III
DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER: inflammation, chronic, focal/multifocal (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

THYMUS

End of Record- 17720

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17685
 SEX: F

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

KIDNEYS:
 LIVER:

pyelitis, chronic (minimal)
 lipidosis, tension, focal

LYMPH NODE, SUBMANDIBULAR:
 MAMMARY GLAND:
 UTERUS:

hypertrophy, hepatocellular, centrilobular (minimal)
 hyperplasia, lymphocytic/plasmacytic (moderate)
 hyperplasia, physiological
 macrophages, pigmented (minimal)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	LUNG	LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC
OVARIES	PARATHYROID	PEYER'S PATCH	RECTUM
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN
STOMACH	THYMUS	THYROID	TRACHEA
URINARY BLADDER	VAGINA		

End of Record- 17685

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17686
 SEX: F

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:	inflammation, chronic, focal/multifocal (minimal)
LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (moderate)
MAMMARY GLAND:	hyperplasia, physiological
THYROID:	ultimobranchial body/cyst
UTERUS:	macrophages, pigmented (minimal)
VAGINA:	mucification (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	KIDNEYS	LUNG	LYMPH NODE, MEDIASTINAL
NERVE, SCIATIC	PARATHYROID	PEYER'S PATCH	RECTUM
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN
STOMACH	THYMUS	TRACHEA	URINARY BLADDER

TISSUE(S) NOT AVAILABLE FOR EVALUATION:

OVARIES

End of Record- 17686

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17689
 SEX: F

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:	inflammation, chronic, focal/multifocal (minimal)
LYMPH NODE, MEDIASTINAL:	hypertrophy, hepatocellular, centrilobular (minimal)
LYMPH NODE, SUBMANDIBULAR:	congestion/erythrophagocytosis (mild)
MAMMARY GLAND:	hyperplasia, lymphocytic/plasmacytic (mild)
SPLEEN:	hyperplasia, physiological
UTERUS:	hematopoiesis, extramedullary, increased (minimal)
	macrophages, pigmented (mild)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	KIDNEYS	LUNG	NERVE, SCIATIC
OVARIES	PARATHYROID	PEYER'S PATCH	RECTUM
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	STOMACH
THYMUS	THYROID	TRACHEA	URINARY BLADDER
VAGINA			

End of Record- 17689

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17691
 SEX: F

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

HISTOMORPHOLOGIC OBSERVATION(S):

GENERAL: No gross changes.

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (minimal)
 hypertrophy, hepatocellular, centrilobular (minimal)

LYMPH NODE, SUBMANDIBULAR:

hyperplasia, lymphocytic/plasmacytic (minimal)

MAMMARY GLAND:

hyperplasia, physiological

THYROID:

ultimobranchial body/cyst

UTERUS:

macrophages, pigmented (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	KIDNEYS	LUNG	LYMPH NODE, MEDIASTINAL
NERVE, SCIATIC	OVARIES	PARATHYROID	PEYER'S PATCH
RECTUM	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
SPLEEN	STOMACH	THYMUS	TRACHEA
URINARY BLADDER	VAGINA		

End of Record- 17691

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17692
 SEX: F

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

KIDNEYS:

mineralization, multifocal (minimal)

LIVER:

hypertrophy, hepatocellular, centrilobular (minimal)

LYMPH NODE, MEDIASTINAL:

congestion/erythrophagocytosis (mild)

LYMPH NODE, SUBMANDIBULAR:

hyperplasia, lymphocytic/plasmacytic (moderate)

MAMMARY GLAND:

hyperplasia, physiological

THYMUS:

atrophy (mild)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	LUNG	NERVE, SCIATIC	OVARIES
PARATHYROID	PEYER'S PATCH	RECTUM	SPINAL CORD, CERVICAL
SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	SPLEEN	STOMACH
THYROID	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

End of Record- 17692

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
PROTOCOL 418-027
SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17696 DOSE GROUP: IV
SEX: F DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S): HISTOMORPHOLOGIC OBSERVATION(S):
THYMUS: Small. Tissue not available

<u>HISTOMORPHOLOGIC OBSERVATIONS:</u>	
HEART:	inflammation, subacute, focal/multifocal (minimal)
LYMPH NODE, SUBMANDIBULAR:	hyperplasia, lymphocytic/plasmacytic (mild)
MAMMARY GLAND:	hyperplasia, physiological
THYROID:	ultimobranchial body/cyst
UTERUS:	inflammation, endometrium, diffuse (mild) macrophages, pigmented (moderate) distention, lumen (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	ILEUM	JEJUNUM
KIDNEYS	LIVER	LUNG	LYMPH NODE, MEDIASTINAL
NERVE, SCIATIC	OVARIES	PARATHYROID	PEYER'S PATCH
RECTUM	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
SPLEEN	STOMACH	TRACHEA	URINARY BLADDER
VAGINA			

TISSUE(S) NOT AVAILABLE FOR EVALUATION:

THYMUS

End of Record- 17696

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17699	DOSE GROUP: IV
SEX: F	DEATH TYPE: Sacrifice-Scheduled

<u>GROSS OBSERVATION(S):</u>	<u>HISTOMORPHOLOGIC OBSERVATION(S):</u>
------------------------------	---

<u>GENERAL:</u> No gross changes.	Not applicable
-----------------------------------	----------------

HISTOMORPHOLOGIC OBSERVATIONS:

KIDNEYS:	mineralization, multifocal (minimal)
LIVER:	inflammation, chronic, focal/multifocal (minimal)
LYMPH NODE, SUBMANDIBULAR:	hypertrophy, hepatocellular, centrilobular (minimal)
MAMMARY GLAND:	hyperplasia, lymphocytic/plasmacytic (moderate)
SPLEEN:	hyperplasia, physiological
THYMUS:	hematopoiesis, extramedullary, increased (minimal)
THYROID:	atrophy (minimal)
UTERUS:	ultimobranchial body/cyst
	macrophages, pigmented (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	LUNG	LYMPH NODE, MEDIASTINAL	NERVE, SCIATIC
OVARIES	PARATHYROID	PEYER'S PATCH	RECTUM
SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC	STOMACH
TRACHEA	URINARY BLADDER	VAGINA	

End of Record- 17699

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17711
 SEX: F

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

KIDNEYS:
 LIVER:

vacuolation, cortical tubular epithelium (mild)
 hypertrophy, hepatocellular, centrilobular (mild)

MAMMARY GLAND:

vacuolation, hepatocellular, periportal (minimal)

SPLEEN:

hyperplasia, physiological

THYMUS:

atrophy (mild)

UTERUS:

atrophy (moderate)

VAGINA:

hemorrhage, endometrium (mild)

macrophages, pigmented (moderate)

inflammation, acute (moderate)

mucification (marked)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	LUNG	LYMPH NODE, MEDIASTINAL	LYMPH NODE, SUBMANDIBULAR
NERVE, SCIATIC	OVARIES	PARATHYROID	PEYER'S PATCH
RECTUM	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
STOMACH	THYROID	TRACHEA	URINARY BLADDER

End of Record- 17711

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17712
 SEX: F

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

TAIL: Bent.

HISTOMORPHOLOGIC OBSERVATION(S):

No microscopic change to correlate

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:

inflammation, chronic, focal/multifocal (minimal)
 hypertrophy, hepatocellular, centrilobular (minimal)

LYMPH NODE, SUBMANDIBULAR:

hyperplasia, lymphocytic/plasmacytic (mild)

MAMMARY GLAND:

hyperplasia, physiological

TAIL:

No microscopic change to correlate

THYMUS:

atrophy (minimal)

UTERUS:

macrophages, pigmented (mild)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	KIDNEYS	LUNG	LYMPH NODE, MEDIASTINAL
NERVE, SCIATIC	OVARIES	PARATHYROID	PEYER'S PATCH
RECTUM	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
SPLEEN	STOMACH	TAIL	THYROID
TRACHEA	URINARY BLADDER	VAGINA	

End of Record- 17712

ORAL (GAVAGE) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7
 WITH THE REPRODUCTION/DEVELOPMENTAL TOXICITY SCREENING TEST
 PROTOCOL 418-027
 SPONSOR'S STUDY NUMBER T-7599

Appendix II
 Individual Animal Gross and Histomorphology Data

ANIMAL NUMBER: 17714
 SEX: F

DOSE GROUP: IV
 DEATH TYPE: Sacrifice-Scheduled

GROSS OBSERVATION(S):

GENERAL: No gross changes.

HISTOMORPHOLOGIC OBSERVATION(S):

Not applicable

HISTOMORPHOLOGIC OBSERVATIONS:

LIVER:	hypertrophy, hepatocellular, centrilobular (mild)
MAMMARY GLAND:	hyperplasia, physiological
SPLEEN:	hematopoiesis, extramedullary, increased (minimal)
THYMUS:	atrophy (mild)
THYROID:	ultimobranchial body/cyst
UTERUS:	thrombus macrophages, pigmented (moderate)

THE FOLLOWING TISSUE(S) WERE WITHIN NORMAL LIMITS:

ADRENAL GLANDS	BONE MARROW (STERNUM)	BRAIN	CECUM
COLON	DUODENUM	HEART	ILEUM
JEJUNUM	KIDNEYS	LUNG	LYMPH NODE, SUBMANDIBULAR
NERVE, SCIATIC	OVARIES	PARATHYROID	PEYER'S PATCH
RECTUM	SPINAL CORD, CERVICAL	SPINAL CORD, LUMBAR	SPINAL CORD, THORACIC
STOMACH	TRACHEA	URINARY BLADDER	VAGINA

TISSUE(S) NOT AVAILABLE FOR EVALUATION:

LYMPH NODE, MEDIASTINAL

End of Record- 17714

APPENDIX K

HEMATOLOGY AND CLINICAL CHEMISTRY REPORTS

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: MALE

STUDY NO: 060-063

Animal ID	WBC THSN/CU MM	RBC MILL/CU MM	HGB GRAMS/DL	HCT %	MCV CU MICRONS	MCH PICO GRAMS	MCHC %	PLT THSN/CU MM
GROUP: 1-M								
17608	13.5	7.61	15.7	43.5	57.1	20.6	36.1	1094
17618	10.9	8.24	16.3	46.8	56.8	19.8	34.8	1406
17630	12.6	7.67	15.7	43.3	56.5	20.5	36.3	1174
17631	16.6	7.34	15.8	42.4	57.7	21.5	37.3	1126
17639	20.0	6.89	15.7	42.4	61.6	22.8	37.0	1185
MEAN	14.7	7.55	15.8	43.7	57.9	21.0	36.3	1197
SD	3.61	0.493	0.26	1.82	2.09	1.15	0.97	122.5
N	5	5	5	5	5	5	5	5
GROUP: 2-M								
17634	19.1	8.05	16.3	45.0	55.9	20.2	36.2	1174
17635	16.9	7.98	16.3	44.0	55.2	20.4	37.0	1237
17638	16.5	7.45	15.5	42.1	56.5	20.8	36.8	1096
17642	18.3	7.29	15.5	41.9	57.5	21.3	37.0	1204
17643	23.9	7.01	14.6	39.5	56.3	20.8	37.0	1147
MEAN	18.9	7.56	15.6	42.5	56.3	20.7	36.8	1172
SD	2.96	0.448	0.71	2.12	0.84	0.42	0.35	54.0
N	5	5	5	5	5	5	5	5
GROUP: 3-M								
17620	13.6	7.17	15.6	40.5	56.5	21.8	38.5	1038
17623	20.7	7.74	15.6	43.3	55.9	20.2	36.0	1326
17627	13.1	7.21	14.9	41.6	57.7	20.7	35.8	1030
17628	16.5	6.95	14.9	41.6	59.8	21.4	35.8	1219
17633	12.7	7.30	14.8	39.9	54.7	20.3	37.1	1475
MEAN	15.3	7.27	15.2	41.4	56.9	20.9	36.6	1218
SD	3.36	0.291	0.40	1.30	1.94	0.70	1.17	190.7
N	5	5	5	5	5	5	5	5

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINALSTUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: MALE

Animal ID	WBC THSN/CU MM	RBC MILL/CU MM	HGB GRAMS/DL	HCT %	MCV CU MICRONS	MCH PICO GRAMS	MCHC %	PLT THSN/CU MM
GROUP: 4-M								
17621	17.2	7.54	16.1	43.5	57.7	21.4	37.0	1154
17622	11.0	6.87	14.7	38.6	56.2	21.4	38.1	1352
17625	14.5	7.24	14.5	41.0	56.6	20.0	35.4	1189
17629	22.3	7.25	14.9	39.4	54.3	20.6	37.8	1492
17636	31.3	6.94	15.5	40.2	57.9	22.3	38.6	1226
MEAN	19.3	7.17	15.1	40.5	56.5	21.1	37.4	1283
SD	7.90	0.270	0.65	1.88	1.44	0.88	1.25	138.9
N	5	5	5	5	5	5	5	5

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINALSTUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: FEMALE

Animal ID	WBC THSN/CU MM	RBC MILL/CU MM	HGB GRAMS/DL	HCT %	MCV CU MICRONS	MCH PICO GRAMS	MCHC %	PLT THSN/CU MM
GROUP: 1-F								
17694	16.8	5.72	14.2	37.7	65.9	24.8	37.7	1575
17703	23.3	5.54	13.1	35.3	63.7	23.6	37.1	1648
17681	19.8	6.55	14.5	38.6	59.0	22.1	37.6	1583
17690	20.9	5.63	13.8	35.6	63.2	24.5	38.8	1329
17695	CL	CL	CL	CL	CL	CL	CL	CL
MEAN	20.2	5.86	13.9	36.8	63.0	23.8	37.8	1534
SD	2.70	0.466	0.61	1.61	2.88	1.21	0.72	140.4
N	4	4	4	4	4	4	4	4
GROUP: 2-F								
17675	16.9	6.10	14.1	37.8	61.9	23.1	37.3	1381
17679	13.3	6.32	14.7	39.3	62.2	23.3	37.4	1259
17688	14.5	5.72	14.7	39.2	68.5	25.7	37.5	128
17698	16.8	6.09	14.2	37.9	62.3	23.3	37.5	1273
17684	12.8	5.79	13.6	36.7	63.3	23.5	37.1	692
MEAN	14.9	6.00	14.3	38.2	63.6	23.8	37.4	947
SD	1.92	0.246	0.46	1.08	2.77	1.08	0.17	531.0
N	5	5	5	5	5	5	5	5
GROUP: 3-F								
17693	24.0	5.26	13.4	34.1	64.8	25.5	39.3	2292
17697	16.3	5.71	13.2	35.3	61.8	23.1	37.4	1874
17700	18.0	6.80	14.9	41.1	60.4	21.9	36.3	1375
17701	21.2	5.81	13.6	36.0	62.0	23.4	37.8	1554
17687	21.2	5.19	12.7	33.2	64.0	24.5	38.3	1101
17709	20.6	5.85	14.2	38.0	65.0	24.3	37.4	1393
MEAN	20.2	5.77	13.7	36.3	63.0	23.8	37.8	1598
SD	2.71	0.578	0.78	2.88	1.87	1.26	1.01	423.9
N	6	6	6	6	6	6	6	6

CL - Clotted

LABCAT HE4.43

22-MAY-2002

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: FEMALE

STUDY NO: 060-063

Animal ID	WBC THSN/CU MM	RBC MILL/CU MM	HGB GRAMS/DL	HCT %	MCV CU MICRONS	MCH PICO GRAMS	MCHC %	PLT THSN/CU MM
GROUP: 4-F								
17685	21.6	5.91	13.2	35.3	59.8	22.3	37.4	1570
17689	18.6	5.57	12.9	33.8	60.6	23.2	38.2	1803
17692	25.4	5.37	12.5	30.8	57.4	23.3	40.6	1230
17691	20.8	6.21	14.1	36.5	58.8	22.7	38.6	1584
MEAN	21.6	5.76	13.2	34.1	59.2	22.9	38.7	1547
SD	2.83	0.371	0.68	2.46	1.38	0.46	1.36	236.6
N	4	4	4	4	4	4	4	4

LABCAT HE4.43

22-MAY-2002

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINALSTUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: MALE

Animal ID	PT seconds	APTT seconds	MPV CU MICRONS	NRBC COUNT	Lymphocyte THSN/CU MM	Segmented THSN/CU MM	Bands THSN/CU MM	Monocytes THSN/CU MM
GROUP: 1-M								
17608	14.3	25.1	9.0	0	11.2	2.0	0.0	0.1
17618	14.3	26.6	9.0	0	8.8	1.9	0.0	0.1
17630	14.0	25.3	9.6	0	10.3	2.0	0.0	0.1
17631	15.5	27.5	9.5	0	14.9	1.5	0.0	0.2
17639	13.8	22.5	8.9	0	17.8	2.2	0.0	0.0
MEAN	14.4	25.4	9.2	0	12.6	1.9	0.0	0.1
SD	0.66	1.89	0.32	0.0	3.67	0.26	0.00	0.07
N	5	5	5	5	5	5	5	5
GROUP: 2-M								
17634	13.4	22.4	9.6	0	17.0	1.9	0.0	0.0
17635	14.3	27.9	9.5	0	12.7	4.1	0.0	0.2
17638	13.3	24.7	9.3	0	13.9	2.1	0.0	0.2
17642	13.7	27.0	9.1	0	14.6	2.9	0.0	0.5
17643	13.7	27.6	11.1	0	20.8	2.9	0.0	0.0
MEAN	13.7	25.9	9.7	0	15.8	2.8	0.0	0.2
SD	0.39	2.33	0.79	0.0	3.21	0.87	0.00	0.20
N	5	5	5	5	5	5	5	5
GROUP: 3-M								
17620	14.4	26.1	8.9	0	11.4	2.0	0.0	0.0
17623	14.1	27.9	11.0	0	18.2	2.3	0.0	0.0
17627	14.6	24.2	8.7	0	10.9	1.8	0.0	0.0
17628	14.4	28.8	8.7	0	15.0	1.2	0.0	0.2
17633	15.9	23.9	10.1	0	10.9	1.7	0.0	0.1
MEAN	14.7	26.2	9.5	0	13.3	1.8	0.0	0.1
SD	0.70	2.18	1.03	0.0	3.24	0.41	0.00	0.09
N	5	5	5	5	5	5	5	5

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINALSTUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: MALE

Animal ID	PT seconds	APTT seconds	MPV CU MICRONS	NRBC COUNT	Lymphocyte THSN/CU MM	Segmented THSN/CU MM	Bands THSN/CU MM	Monocytes THSN/CU MM
GROUP: 4-M								
17621	16.0	30.7	9.5	0	15.8	1.0	0.0	0.3
17622	13.5	26.1	8.4	0	8.7	2.0	0.0	0.0
17625	14.9	27.3	9.5	0	13.1	1.5	0.0	0.0
17629	14.0	24.0	9.8	0	19.6	2.5	0.0	0.0
17636	14.4	25.6	8.4	0	13.1	18.2	0.0	0.0
MEAN	14.6	26.7	9.1	0	14.1	5.0	0.0	0.1
SD	0.96	2.51	0.67	0.0	4.01	7.38	0.00	0.13
N	5	5	5	5	5	5	5	5

LABCAT HE4.43

22-MAY-2002

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINALSTUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: FEMALE

Animal ID	PT seconds	APTT seconds	MPV CU MICRONS	NRBC COUNT	Lymphocyte THSN/CU MM	Segmented THSN/CU MM	Bands THSN/CU MM	Monocytes THSN/CU MM
GROUP: 1-F								
17694	12.8	18.2	7.0	0	13.6	2.7	0.0	0.3
17703	13.3	24.0	7.0	0	17.0	5.8	0.0	0.2
17681	13.9	22.2	7.9	0	15.2	3.8	0.0	0.8
17690	13.5	21.6	8.9	0	17.6	3.1	0.0	0.0
17695	13.2	19.3	CL	CL	--	--	--	--
MEAN	13.3	21.1	7.7	0	15.9	3.9	0.0	0.3
SD	0.40	2.32	0.91	0.0	1.81	1.38	0.00	0.34
N	5	5	4	4	4	4	4	4
GROUP: 2-F								
17675	12.8	19.3	9.2	0	14.4	2.2	0.0	0.3
17679	13.6	15.5	7.8	0	10.6	2.7	0.0	0.0
17688	13.4	18.2	12.3	0	11.9	2.6	0.0	0.0
17698	13.2	19.9	7.5	0	15.6	0.8	0.0	0.3
17684	CL	CL	7.3	0	10.6	1.9	0.0	0.3
MEAN	13.3	18.2	8.8	0	12.6	2.0	0.0	0.2
SD	0.34	1.95	2.08	0.0	2.28	0.76	0.00	0.16
N	4	4	5	5	5	5	5	5
GROUP: 3-F								
17693	13.3	21.5	6.8	0	17.8	5.5	0.0	0.7
17697	13.2	19.7	7.6	0	13.7	2.6	0.0	0.0
17700	13.2	23.6	8.4	0	12.2	5.4	0.0	0.0
17701	12.9	17.7	7.3	0	18.7	2.3	0.0	0.2
17687	13.3	27.3	8.2	0	16.1	5.1	0.0	0.0
17709	CL	CL	9.7	0	14.6	5.6	0.0	0.2
MEAN	13.2	22.0	8.0	0	15.5	4.4	0.0	0.2
SD	0.16	3.70	1.02	0.0	2.48	1.54	0.00	0.27
N	5	5	6	6	6	6	6	6

(--)- Data Unavailable

CL - Clotted

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: FEMALE

STUDY NO: 060-063

Animal ID	PT seconds	APTT seconds	MPV CU MICRONS	NRBC COUNT	Lymphocyte THSN/CU MM	Segmented THSN/CU MM	Bands THSN/CU MM	Monocytes THSN/CU MM
GROUP: 4-F								
17685	13.0	25.3	9.0	0	13.0	6.9	0.2	1.3
17689	13.1	14.9	7.7	0	13.6	3.3	0.2	1.5
17692	13.5	20.8	7.9	0	22.1	2.5	0.0	0.5
17691	13.3	18.2	8.0	0	16.8	3.5	0.0	0.4
MEAN	13.2	19.8	8.2	0	16.4	4.1	0.1	0.9
SD	0.22	4.39	0.58	0.0	4.17	1.95	0.12	0.56
N	4	4	4	4	4	4	4	4

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINALSTUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: MALE

Animal ID	Eosinophil THSN/CU MM	Basophils THSN/CU MM	Abnormal L THSN/CU MM	Other THSN/CU MM
-----------	--------------------------	-------------------------	--------------------------	---------------------

GROUP: 1-M

17608	0.1	0.0	0.0	0.0
17618	0.1	0.0	0.0	0.0
17630	0.1	0.0	0.0	0.0
17631	0.0	0.0	0.0	0.0
17639	0.0	0.0	0.0	0.0
MEAN	0.1	0.0	0.0	0.0
SD	0.05	0.00	0.00	0.00
N	5	5	5	5

GROUP: 2-M

17634	0.2	0.0	0.0	0.0
17635	0.0	0.0	0.0	0.0
17638	0.3	0.0	0.0	0.0
17642	0.2	0.0	0.0	0.0
17643	0.2	0.0	0.0	0.0
MEAN	0.2	0.0	0.0	0.0
SD	0.11	0.00	0.00	0.00
N	5	5	5	5

GROUP: 3-M

17620	0.1	0.0	0.0	0.0
17623	0.2	0.0	0.0	0.0
17627	0.4	0.0	0.0	0.0
17628	0.2	0.0	0.0	0.0
17633	0.0	0.0	0.0	0.0
MEAN	0.2	0.0	0.0	0.0
SD	0.15	0.00	0.00	0.00
N	5	5	5	5

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINALSTUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: MALE

Animal ID	Eosinophil THSN/CU MM	Basophils THSN/CU MM	Abnormal L THSN/CU MM	Other THSN/CU MM
GROUP: 4-M				
17621	0.0	0.0	0.0	0.0
17622	0.3	0.0	0.0	0.0
17625	0.0	0.0	0.0	0.0
17629	0.2	0.0	0.0	0.0
17636	0.0	0.0	0.0	0.0
MEAN	0.1	0.0	0.0	0.0
SD	0.14	0.00	0.00	0.00
N	5	5	5	5

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINALSTUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: FEMALE

Animal ID	Eosinophil THSN/CU MM	Basophils THSN/CU MM	Abnormal L THSN/CU MM	Other THSN/CU MM
GROUP: 1-F				
17694	0.0	0.0	0.2	0.0
17703	0.2	0.0	0.0	0.0
17681	0.0	0.0	0.0	0.0
17690	0.2	0.0	0.0	0.0
17695	--	--	--	--
MEAN	0.1	0.0	0.1	0.0
SD	0.12	0.00	0.10	0.00
N	4	4	4	4
GROUP: 2-F				
17675	0.0	0.0	0.0	0.0
17679	0.0	0.0	0.0	0.0
17688	0.0	0.0	0.0	0.0
17698	0.0	0.0	0.0	0.0
17684	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.0	0.0
SD	0.00	0.00	0.00	0.00
N	5	5	5	5
GROUP: 3-F				
17693	0.0	0.0	0.0	0.0
17697	0.0	0.0	0.0	0.0
17700	0.4	0.0	0.0	0.0
17701	0.0	0.0	0.0	0.0
17687	0.0	0.0	0.0	0.0
17709	0.2	0.0	0.0	0.0
MEAN	0.1	0.0	0.0	0.0
SD	0.17	0.00	0.00	0.00
N	6	6	6	6

(--)- Data Unavailable

Study Report for Hematology

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINALSTUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: FEMALE

Animal ID	Eosinophil THSN/CU MM	Basophils THSN/CU MM	Abnormal L THSN/CU MM	Other THSN/CU MM
GROUP: 4-F				
17685	0.0	0.0	0.2	0.0
17689	0.0	0.0	0.0	0.0
17692	0.0	0.0	0.3	0.0
17691	0.0	0.0	0.0	0.0
MEAN	0.0	0.0	0.1	0.0
SD	0.00	0.00	0.15	0.00
N	4	4	4	4

Study Report for Hematology

SUMMARY REPORT
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027
 STUDY NO: 060-063

SEX: MALE

TEST(s):	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	PLT	PT
	UNITS: THSN/CU MM	UNITS: MILL/CU MM	UNITS: GRAMS/DL	% CU	MICRONS PICO	GRAMS	%	THSN/CU MM	seconds
Group: 1-M									
MEAN	14.7	7.55	15.8	43.7	57.9	21.0	36.3	1197	14.4
SD	3.61	0.493	0.26	1.82	2.09	1.15	0.97	122.5	0.66
N	5	5	5	5	5	5	5	5	5
Group: 2-M									
MEAN	18.9	7.56	15.6	42.5	56.3	20.7	36.8	1172	13.7
SD	2.96	0.448	0.71	2.12	0.84	0.42	0.35	54.0	0.39
N	5	5	5	5	5	5	5	5	5
Group: 3-M									
MEAN	15.3	7.27	15.2	41.4	56.9	20.9	36.6	1218	14.7
SD	3.36	0.291	0.40	1.30	1.94	0.70	1.17	190.7	0.70
N	5	5	5	5	5	5	5	5	5
Group: 4-M									
MEAN	19.3	7.17	15.1	40.5	56.5	21.1	37.4	1283	14.6
SD	7.90	0.270	0.65	1.88	1.44	0.88	1.25	138.9	0.96
N	5	5	5	5	5	5	5	5	5

Study Report for Hematology

SUMMARY REPORT
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: MALE

STUDY NO: 060-063

TEST(s): UNITS:	APTT	MPV	NRBC	Lymphocyte	Segmented	Bands	Monocytes	Eosinophil	Basophils
	seconds	CU MICRONS	COUNT	THSN/CU MM					
Group: 1-M									
MEAN	25.4	9.2	0	12.6	1.9	0.0	0.1	0.1	0.0
SD	1.89	0.32	0.0	3.67	0.26	0.00	0.07	0.05	0.00
N	5	5	5	5	5	5	5	5	5
Group: 2-M									
MEAN	25.9	9.7	0	15.8	2.8	0.0	0.2	0.2	0.0
SD	2.33	0.79	0.0	3.21	0.87	0.00	0.20	0.11	0.00
N	5	5	5	5	5	5	5	5	5
Group: 3-M									
MEAN	26.2	9.5	0	13.3	1.8	0.0	0.1	0.2	0.0
SD	2.18	1.03	0.0	3.24	0.41	0.00	0.09	0.15	0.00
N	5	5	5	5	5	5	5	5	5
Group: 4-M									
MEAN	26.7	9.1	0	14.1	5.0	0.0	0.1	0.1	0.0
SD	2.51	0.67	0.0	4.01	7.38	0.00	0.13	0.14	0.00
N	5	5	5	5	5	5	5	5	5

Study Report for Hematology

**SUMMARY REPORT
PERIOD: TERMINAL**STUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: MALE

TEST(s): Abnormal L Other
UNITS: THSN/CU MM THSN/CU MM

Group: 1-M

MEAN 0.0 0.0
SD 0.00 0.00
N 5 5

Group: 2-M

MEAN 0.0 0.0
SD 0.00 0.00
N 5 5

Group: 3-M

MEAN 0.0 0.0
SD 0.00 0.00
N 5 5

Group: 4-M

MEAN 0.0 0.0
SD 0.00 0.00
N 5 5

Study Report for Hematology

SUMMARY REPORT
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: FEMALE

STUDY NO: 060-063

TEST(s):	WBC THSN/CU	RBC MM MILL/CU MM	HGB GRAMS/DL	HCT % CU	MCV MICRONS	MCH PICO GRAMS	MCHC % THSN/CU	PLT MM	PT seconds
<hr/>									
Group: 1-F									
MEAN	20.2	5.86	13.9	36.8	63.0	23.8	37.8	1534	13.3
SD	2.70	0.466	0.61	1.61	2.88	1.21	0.72	140.4	0.40
N	4	4	4	4	4	4	4	4	5
Group: 2-F									
MEAN	14.9	6.00	14.3	38.2	63.6	23.8	37.4	947	13.3
SD	1.92	0.246	0.46	1.08	2.77	1.08	0.17	531.0	0.34
N	5	5	5	5	5	5	5	5	4
Group: 3-F									
MEAN	20.2	5.77	13.7	36.3	63.0	23.8	37.8	1598	13.2
SD	2.71	0.578	0.78	2.88	1.87	1.26	1.01	423.9	0.16
N	6	6	6	6	6	6	6	6	5
Group: 4-F									
MEAN	21.6	5.76	13.2	34.1	59.2	22.9	38.7	1547	13.2
SD	2.83	0.371	0.68	2.46	1.38	0.46	1.36	236.6	0.22
N	4	4	4	4	4	4	4	4	4

Study Report for Hematology

**SUMMARY REPORT
PERIOD: TERMINAL**

STUDY ID: ARGUS #418-027

SEX: FEMALE

STUDY NO: 060-063

TEST(s):	APTT	MPV	NRBC	Lymphocyte	Segmented	Bands	Monocytes	Eosinophil	Basophils
UNITS:	seconds	CU MICRONS	COUNT	THSN/CU MM					
Group: 1-F									
MEAN	21.1	7.7	0	15.9	3.9	0.0	0.3	0.1	0.0
SD	2.32	0.91	0.0	1.81	1.38	0.00	0.34	0.12	0.00
N	5	4	4	4	4	4	4	4	4
Group: 2-F									
MEAN	18.2	8.8	0	12.6	2.0	0.0	0.2	0.0	0.0
SD	1.95	2.08	0.0	2.28	0.76	0.00	0.16	0.00	0.00
N	4	5	5	5	5	5	5	5	5
Group: 3-F									
MEAN	22.0	8.0	0	15.5	4.4	0.0	0.2	0.1	0.0
SD	3.70	1.02	0.0	2.48	1.54	0.00	0.27	0.17	0.00
N	5	6	6	6	6	6	6	6	6
Group: 4-F									
MEAN	19.8	8.2	0	16.4	4.1	0.1	0.9	0.0	0.0
SD	4.39	0.58	0.0	4.17	1.95	0.12	0.56	0.00	0.00
N	4	4	4	4	4	4	4	4	4

Study Report for Hematology

**SUMMARY REPORT
PERIOD: TERMINAL**STUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: FEMALE

TEST(s): Abnormal L Other
UNITS: THSN/CU MM THSN/CU MM

Group: 1-F

MEAN	0.1	0.0
SD	0.10	0.00
N	4	4

Group: 2-F

MEAN	0.0	0.0
SD	0.00	0.00
N	5	5

Group: 3-F

MEAN	0.0	0.0
SD	0.00	0.00
N	6	6

Group: 4-F

MEAN	0.1	0.0
SD	0.15	0.00
N	4	4

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 1-M

SEX: MALE

	Animal ID		TERMINAL	
			CNT	ABS
	17608	Nucleated Red Cells	0	
		Lymphocytes	83	11.2
		Segmented Neutrophils	15	2.0
		Bands	0	0.0
		Monocytes	1	0.1
		Eosinophils	1	0.1
		Basophils	0	0.0
		Abnormal Lymphocytes	0	0.0
		Other	0	0.0
		WBC		13.5
	17618	Nucleated Red Cells	0	
		Lymphocytes	81	8.8
		Segmented Neutrophils	17	1.9
		Bands	0	0.0
		Monocytes	1	0.1
		Eosinophils	1	0.1
		Basophils	0	0.0
		Abnormal Lymphocytes	0	0.0
		Other	0	0.0
		WBC		10.9
	17630	Nucleated Red Cells	0	
		Lymphocytes	82	10.3
		Segmented Neutrophils	16	2.0
		Bands	0	0.0
		Monocytes	1	0.1
		Eosinophils	1	0.1
		Basophils	0	0.0
		Abnormal Lymphocytes	0	0.0
		Other	0	0.0
		WBC		12.6

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 1-M

SEX: MALE

Animal ID		TERMINAL	
		CNT	ABS
17631	Nucleated Red Cells	0	
	Lymphocytes	90	14.9
	Segmented Neutrophils	9	1.5
	Bands	0	0.0
	Monocytes	1	0.2
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		16.6
17639	Nucleated Red Cells	0	
	Lymphocytes	89	17.8
	Segmented Neutrophils	11	2.2
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		20.0

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 2-M

SEX: MALE

Animal ID		TERMINAL	
		CNT	ABS
17634	Nucleated Red Cells	0	
	Lymphocytes	89	17.0
	Segmented Neutrophils	10	1.9
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	1	0.2
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		19.1
17635	Nucleated Red Cells	0	
	Lymphocytes	75	12.7
	Segmented Neutrophils	24	4.1
	Bands	0	0.0
	Monocytes	1	0.2
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		16.9
17638	Nucleated Red Cells	0	
	Lymphocytes	84	13.9
	Segmented Neutrophils	13	2.1
	Bands	0	0.0
	Monocytes	1	0.2
	Eosinophils	2	0.3
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		16.5

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027
STUDY NO: 060-063

GROUP: 2-M

SEX: MALE

Animal ID		TERMINAL	
		CNT	ABS
17642	Nucleated Red Cells	0	
	Lymphocytes	80	14.6
	Segmented Neutrophils	16	2.9
	Bands	0	0.0
	Monocytes	3	0.5
	Eosinophils	1	0.2
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		18.3
17643	Nucleated Red Cells	0	
	Lymphocytes	87	20.8
	Segmented Neutrophils	12	2.9
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	1	0.2
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		23.9

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 3-M

SEX: MALE

Animal ID		TERMINAL	
		CNT	ABS
17620	Nucleated Red Cells	0	
	Lymphocytes	84	11.4
	Segmented Neutrophils	15	2.0
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	1	0.1
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		13.6
17623	Nucleated Red Cells	0	
	Lymphocytes	88	18.2
	Segmented Neutrophils	11	2.3
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	1	0.2
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		20.7
17627	Nucleated Red Cells	0	
	Lymphocytes	83	10.9
	Segmented Neutrophils	14	1.8
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	3	0.4
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		13.1

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 3-M

SEX: MALE

Animal ID		TERMINAL	
		CNT	ABS
17628	Nucleated Red Cells	0	
	Lymphocytes	91	15.0
	Segmented Neutrophils	7	1.2
	Bands	0	0.0
	Monocytes	1	0.2
	Eosinophils	1	0.2
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		16.5
17633	Nucleated Red Cells	0	
	Lymphocytes	86	10.9
	Segmented Neutrophils	13	1.7
	Bands	0	0.0
	Monocytes	1	0.1
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		12.7

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 4-M

SEX: MALE

Animal ID		TERMINAL	
		CNT	ABS
17621	Nucleated Red Cells	0	
	Lymphocytes	92	15.8
	Segmented Neutrophils	6	1.0
	Bands	0	0.0
	Monocytes	2	0.3
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		17.2
17622	Nucleated Red Cells	0	
	Lymphocytes	79	8.7
	Segmented Neutrophils	18	2.0
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	3	0.3
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		11.0
17625	Nucleated Red Cells	0	
	Lymphocytes	90	13.1
	Segmented Neutrophils	10	1.5
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		14.5

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 4-M

SEX: MALE

Animal ID		TERMINAL	
		CNT	ABS
17629	Nucleated Red Cells	0	
	Lymphocytes	88	19.6
	Segmented Neutrophils	11	2.5
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	1	0.2
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		22.3
17636	Nucleated Red Cells	0	
	Lymphocytes	42	13.1
	Segmented Neutrophils	58	18.2
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		31.3

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 1-F

SEX: FEMALE

Animal ID		TERMINAL	
		CNT	ABS
17694	Nucleated Red Cells	0	
	Lymphocytes	81	13.6
	Segmented Neutrophils	16	2.7
	Bands	0	0.0
	Monocytes	2	0.3
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	1	0.2
	Other	0	0.0
	WBC		16.8
17703	Nucleated Red Cells	0	
	Lymphocytes	73	17.0
	Segmented Neutrophils	25	5.8
	Bands	0	0.0
	Monocytes	1	0.2
	Eosinophils	1	0.2
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		23.3
17681	Nucleated Red Cells	0	
	Lymphocytes	77	15.2
	Segmented Neutrophils	19	3.8
	Bands	0	0.0
	Monocytes	4	0.8
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		19.8

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 1-F

SEX: FEMALE

Animal ID		TERMINAL	
		CNT	ABS
17690	Nucleated Red Cells	0	
	Lymphocytes	84	17.6
	Segmented Neutrophils	15	3.1
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	1	0.2
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		20.9
17695	Nucleated Red Cells	0	
	Lymphocytes	0	--
	Segmented Neutrophils	0	--
	Bands	0	--
	Monocytes	0	--
	Eosinophils	0	--
	Basophils	0	--
	Abnormal Lymphocytes	0	--
	Other	0	--
	WBC		--

(--)- Data Unavailable

LABCAT HE4.43

22-MAY-2002

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 2-F

SEX: FEMALE

Animal ID		TERMINAL	
		CNT	ABS
17675	Nucleated Red Cells	0	
	Lymphocytes	85	14.4
	Segmented Neutrophils	13	2.2
	Bands	0	0.0
	Monocytes	2	0.3
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		16.9
17679	Nucleated Red Cells	0	
	Lymphocytes	80	10.6
	Segmented Neutrophils	20	2.7
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		13.3
17688	Nucleated Red Cells	0	
	Lymphocytes	82	11.9
	Segmented Neutrophils	18	2.6
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		14.5

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 2-F

SEX: FEMALE

Animal ID		TERMINAL	
		CNT	ABS
17698	Nucleated Red Cells	0	
	Lymphocytes	93	15.6
	Segmented Neutrophils	5	0.8
	Bands	0	0.0
	Monocytes	2	0.3
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		16.8
17684	Nucleated Red Cells	0	
	Lymphocytes	83	10.6
	Segmented Neutrophils	15	1.9
	Bands	0	0.0
	Monocytes	2	0.3
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		12.8

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 3-F

SEX: FEMALE

Animal ID		TERMINAL	
		CNT	ABS
17693	Nucleated Red Cells	0	
	Lymphocytes	74	17.8
	Segmented Neutrophils	23	5.5
	Bands	0	0.0
	Monocytes	3	0.7
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		24.0
17697	Nucleated Red Cells	0	
	Lymphocytes	84	13.7
	Segmented Neutrophils	16	2.6
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		16.3
17700	Nucleated Red Cells	0	
	Lymphocytes	68	12.2
	Segmented Neutrophils	30	5.4
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	2	0.4
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		18.0

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 3-F

SEX: FEMALE

Animal ID		TERMINAL	
		CNT	ABS
17701	Nucleated Red Cells	0	
	Lymphocytes	88	18.7
	Segmented Neutrophils	11	2.3
	Bands	0	0.0
	Monocytes	1	0.2
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		21.2
17687	Nucleated Red Cells	0	
	Lymphocytes	76	16.1
	Segmented Neutrophils	24	5.1
	Bands	0	0.0
	Monocytes	0	0.0
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		21.2
17709	Nucleated Red Cells	0	
	Lymphocytes	71	14.6
	Segmented Neutrophils	27	5.6
	Bands	0	0.0
	Monocytes	1	0.2
	Eosinophils	1	0.2
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		20.6

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 4-F

SEX: FEMALE

Animal ID		TERMINAL	
		CNT	ABS
17685	Nucleated Red Cells	0	
	Lymphocytes	60	13.0
	Segmented Neutrophils	32	6.9
	Bands	1	0.2
	Monocytes	6	1.3
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	1	0.2
	Other	0	0.0
	WBC		21.6
17689	Nucleated Red Cells	0	
	Lymphocytes	73	13.6
	Segmented Neutrophils	18	3.3
	Bands	1	0.2
	Monocytes	8	1.5
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		18.6
17692	Nucleated Red Cells	0	
	Lymphocytes	87	22.1
	Segmented Neutrophils	10	2.5
	Bands	0	0.0
	Monocytes	2	0.5
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	1	0.3
	Other	0	0.0
	WBC		25.4

Study Report for Hematology

WHITE DIFFERENTIAL DATA

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

GROUP: 4-F

SEX: FEMALE

Animal ID		TERMINAL	
		CNT	ABS
17691	Nucleated Red Cells	0	
	Lymphocytes	81	16.8
	Segmented Neutrophils	17	3.5
	Bands	0	0.0
	Monocytes	2	0.4
	Eosinophils	0	0.0
	Basophils	0	0.0
	Abnormal Lymphocytes	0	0.0
	Other	0	0.0
	WBC		20.8

Study Report for Clinical Chemistry

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: MALE

STUDY NO: 060-063

Animal ID	TP g/dL	ALB g/dL	GLU mg/dL	CHOL mg/dL	T-BIL mg/dL	BUN mg/dL	CREAT mg/dL	ALT U/L
GROUP: 1-M								
17608	6.6	4.2	156	71	0.1	13	0.3	41
17618	5.9	3.9	143	62	0.1	10	0.3	38
17630	6.5	4.1	163	52	0.1	10	0.2	35
17631	6.1	3.8	173	39	0.1	13	0.2	36
17639	6.2	4.1	161	57	0.1	13	0.3	38
MEAN	6.3	4.0	159	56	0.1	12	0.3	38
SD	0.29	0.16	11.0	11.9	0.00	1.6	0.05	2.3
N	5	5	5	5	5	5	5	5
GROUP: 2-M								
17634	6.2	3.9	180	51	0.1	16	0.3	45
17635	6.7	4.1	188	61	0.1	11	0.3	42
17638	6.7	4.3	185	50	0.1	13	0.3	42
17642	6.0	4.0	150	51	0.1	12	0.2	42
17643	6.1	4.1	217	47	0.1	16	0.3	45
MEAN	6.3	4.1	184	52	0.1	14	0.3	43
SD	0.34	0.15	23.9	5.3	0.00	2.3	0.04	1.6
N	5	5	5	5	5	5	5	5
GROUP: 3-M								
17620	6.1	4.2	154	43	0.1	11	0.3	50
17623	6.4	4.1	178	47	0.1	12	0.4	45
17627	5.8	3.7	153	49	0.1	14	0.3	50
17628	6.5	4.2	145	48	0.1	14	0.3	48
17633	6.0	4.1	151	58	0.1	12	0.3	40
MEAN	6.2	4.1	156	49	0.1	13	0.3	47
SD	0.29	0.21	12.7	5.5	0.00	1.3	0.04	4.2
N	5	5	5	5	5	5	5	5

Study Report for Clinical Chemistry

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: MALE

STUDY NO: 060-063

Animal ID	TP g/dL	ALB g/dL	GLU mg/dL	CHOL mg/dL	T-BIL mg/dL	BUN mg/dL	CREAT mg/dL	ALT U/L
GROUP: 4-M								
17621	6.5	4.4	117	18	0.1	14	0.4	38
17622	6.1	4.3	90	32	0.1	16	0.4	51
17625	6.2	4.4	119	39	0.1	9	0.2	54
17629	6.4	4.3	106	33	0.1	21	0.4	45
17636	6.2	3.4	110	24	0.1	24	0.4	52
MEAN	6.3	4.2	108	29	0.1	17	0.4	48
SD	0.16	0.43	11.5	8.2	0.00	5.9	0.09	6.5
N	5	5	5	5	5	5	5	5

Study Report for Clinical Chemistry

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: FEMALE

STUDY NO: 060-063

Animal ID	TP g/dL	ALB g/dL	GLU mg/dL	CHOL mg/dL	T-BIL mg/dL	BUN mg/dL	CREAT mg/dL	ALT U/L
GROUP: 1-F								
17694	5.8	3.7	91	43	0.1	24	0.3	58
17695	6.5	4.3	130	48	0.1	16	0.4	48
17703	6.7	4.2	111	63	0.1	23	0.4	62
17681	7.0	4.5	164	66	0.2	17	0.4	68
17690	6.3	4.1	127	40	0.2	21	0.4	62
MEAN	6.5	4.2	125	52	0.1	20	0.4	60
SD	0.45	0.30	26.9	11.8	0.05	3.6	0.04	7.4
N	5	5	5	5	5	5	5	5
GROUP: 2-F								
17675	7.3	4.5	138	71	0.2	19	0.4	60
17679	6.3	4.2	135	58	0.1	17	0.2	43
17684	5.7	3.8	144	65	0.1	14	0.3	77
17688	6.4	4.1	129	51	0.1	23	0.4	49
17698	6.9	4.2	145	61	0.1	17	0.4	55
MEAN	6.5	4.2	138	61	0.1	18	0.3	57
SD	0.61	0.25	6.6	7.5	0.04	3.3	0.09	13.0
N	5	5	5	5	5	5	5	5
GROUP: 3-F								
17693	6.2	4.0	98	46	0.1	22	0.3	47
17687	6.5	4.3	162	72	0.1	13	0.3	83
17697	6.0	3.8	113	57	0.1	19	0.4	52
17700	6.9	4.5	145	73	0.1	18	0.3	70
17701	6.2	4.1	93	61	0.1	21	0.3	55
17709	5.6	3.6	135	36	0.1	21	0.3	63
MEAN	6.2	4.1	124	58	0.1	19	0.3	62
SD	0.44	0.33	27.4	14.5	0.00	3.3	0.04	13.3
N	6	6	6	6	6	6	6	6

Study Report for Clinical Chemistry

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: FEMALE

STUDY NO: 060-063

Animal ID	TP g/dL	ALB g/dL	GLU mg/dL	CHOL mg/dL	T-BIL mg/dL	BUN mg/dL	CREAT mg/dL	ALT U/L
GROUP: 4-F								
17685	6.5	4.2	100	66	0.1	17	0.4	89
17689	6.7	4.2	105	69	0.2	22	0.4	99
17692	5.4	3.9	96	41	0.1	22	0.3	102
17691	6.5	4.1	156	53	0.1	22	0.5	87
MEAN	6.3	4.1	114	57	0.1	21	0.4	94
SD	0.59	0.14	28.1	12.9	0.05	2.5	0.08	7.4
N	4	4	4	4	4	4	4	4

Study Report for Clinical Chemistry

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: MALE

STUDY NO: 060-063

Animal ID	AST U/L	ALP U/L	CA mg/dL	PHOS mg/dL	TRIG mg/dL	NA mmol/L	K mmol/L	CL mmol/L
GROUP: 1-M								
17608	90	106	11.6	8.3	66	147	5.5	94
17618	92	63	10.6	7.7	45	150	6.0	98
17630	89	131	11.2	8.6	76	147	4.9	94
17631	83	129	11.2	9.9	106	148	5.9	96
17639	88	106	10.9	7.9	66	146	6.2	97
MEAN	88	107	11.1	8.5	72	148	5.7	96
SD	3.4	27.4	0.37	0.87	22.2	1.5	0.51	1.8
N	5	5	5	5	5	5	5	5
GROUP: 2-M								
17634	101	74	11.5	9.8	39	144	6.2	95
17635	86	88	11.0	8.2	69	147	5.0	96
17638	80	118	11.9	8.3	69	151	6.3	102
17642	89	113	11.0	8.2	66	148	5.9	100
17643	74	148	11.4	13.9	53	144	7.8	97
MEAN	86	108	11.4	9.7	59	147	6.2	98
SD	10.2	28.6	0.38	2.45	13.1	2.9	1.01	2.9
N	5	5	5	5	5	5	5	5
GROUP: 3-M								
17620	102	149	11.3	9.2	48	147	5.8	97
17623	88	96	11.8	8.0	68	147	6.7	100
17627	92	91	11.0	9.8	52	148	7.0	103
17628	100	122	11.4	10.3	56	149	6.9	101
17633	96	122	11.4	9.9	105	148	6.3	99
MEAN	96	116	11.4	9.4	66	148	6.5	100
SD	5.7	23.4	0.29	0.90	23.2	0.8	0.49	2.2
N	5	5	5	5	5	5	5	5

Study Report for Clinical Chemistry

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: MALE

STUDY NO: 060-063

Animal ID	AST U/L	ALP U/L	CA mg/dL	PHOS mg/dL	TRIG mg/dL	NA mmol/L	K mmol/L	CL mmol/L
GROUP: 4-M								
17621	89	117	11.5	9.3	24	151	5.9	100
17622	105	109	11.1	8.9	30	147	6.3	100
17625	109	104	11.3	9.8	47	150	6.3	103
17629	108	133	11.3	12.6	24	144	7.9	95
17636	98	153	11.3	9.2	28	147	6.1	98
MEAN	102	123	11.3	10.0	31	148	6.5	99
SD	8.3	20.0	0.14	1.51	9.5	2.8	0.80	2.9
N	5	5	5	5	5	5	5	5

Study Report for Clinical Chemistry

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: FEMALE

STUDY NO: 060-063

Animal ID	AST U/L	ALP U/L	CA mg/dL	PHOS mg/dL	TRIG mg/dL	NA mmol/L	K mmol/L	CL mmol/L
GROUP: 1-F								
17694	102	49	11.5	9.5	44	140	7.0	96
17695	92	59	11.5	9.4	51	141	7.0	101
17703	99	59	11.8	9.2	46	143	6.1	99
17681	114	51	12.4	9.2	66	145	6.8	93
17690	92	97	11.8	9.3	72	144	6.7	98
MEAN	100	63	11.8	9.3	56	143	6.7	97
SD	9.1	19.5	0.37	0.13	12.5	2.1	0.37	3.0
N	5	5	5	5	5	5	5	5
GROUP: 2-F								
17675	107	39	12.4	8.0	84	141	6.0	96
17679	82	43	11.8	9.3	27	141	7.4	98
17684	120	56	10.9	7.0	47	141	6.1	99
17688	75	61	11.6	8.5	72	143	5.5	98
17698	86	56	11.7	7.8	53	143	6.8	99
MEAN	94	51	11.7	8.1	57	142	6.4	98
SD	18.8	9.5	0.54	0.85	22.2	1.1	0.74	1.2
N	5	5	5	5	5	5	5	5
GROUP: 3-F								
17693	95	91	11.6	10.5	36	141	6.9	102
17687	107	48	11.4	9.1	91	143	6.2	100
17697	104	24	11.2	6.7	37	143	7.1	102
17700	114	68	12.1	10.6	36	143	6.7	98
17701	129	43	11.4	8.1	34	142	7.3	103
17709	150	49	11.5	7.9	52	144	6.0	100
MEAN	117	54	11.5	8.8	48	143	6.7	101
SD	20.0	23.0	0.31	1.54	22.2	1.0	0.51	1.8
N	6	6	6	6	6	6	6	6

Study Report for Clinical Chemistry

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

SEX: FEMALE

STUDY NO: 060-063

Animal ID	AST U/L	ALP U/L	CA mg/dL	PHOS mg/dL	TRIG mg/dL	NA mmol/L	K mmol/L	CL mmol/L
GROUP: 4-F								
17685	93	76	11.6	9.5	54	140	6.7	98
17689	147	68	12.2	10.0	69	140	6.8	98
17692	109	129	11.1	8.8	62	138	6.4	102
17691	131	73	12.6	9.6	79	143	6.9	95
MEAN	120	87	11.9	9.5	66	140	6.7	98
SD	23.8	28.5	0.66	0.50	10.6	2.1	0.22	2.9
N	4	4	4	4	4	4	4	4

Study Report for Clinical Chemistry

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINALSTUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: MALE

Animal ID	GLOB g/dL	A/G none
-----------	--------------	-------------

GROUP: 1-M

17608	2.4	1.8
17618	2.0	2.0
17630	2.4	1.7
17631	2.3	1.7
17639	2.1	2.0
MEAN	2.2	1.8
SD	0.18	0.15
N	5	5

GROUP: 2-M

17634	2.3	1.7
17635	2.6	1.6
17638	2.4	1.8
17642	2.0	2.0
17643	2.0	2.1
MEAN	2.3	1.8
SD	0.26	0.21
N	5	5

GROUP: 3-M

17620	1.9	2.2
17623	2.3	1.8
17627	2.1	1.8
17628	2.3	1.8
17633	1.9	2.2
MEAN	2.1	2.0
SD	0.20	0.22
N	5	5

Study Report for Clinical Chemistry

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINALSTUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: MALE

Animal ID	GLOB g/dL	A/G none
-----------	--------------	-------------

GROUP: 4-M

17621	2.1	2.1
17622	1.8	2.4
17625	1.8	2.4
17629	2.1	2.0
17636	2.8	1.2
MEAN	2.1	2.0
SD	0.41	0.49
N	5	5

Study Report for Clinical Chemistry

INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

SEX: FEMALE

Animal ID	GLOB g/dL	A/G none
-----------	--------------	-------------

GROUP: 1-F

17694	2.1	1.8
17695	2.2	2.0
17703	2.5	1.7
17681	2.5	1.8
17690	2.2	1.9
MEAN	2.3	1.8
SD	0.19	0.11
N	5	5

GROUP: 2-F

17675	2.8	1.6
17679	2.1	2.0
17684	1.9	2.0
17688	2.3	1.8
17698	2.7	1.6
MEAN	2.4	1.8
SD	0.38	0.20
N	5	5

GROUP: 3-F

17693	2.2	1.8
17687	2.2	2.0
17697	2.2	1.7
17700	2.4	1.9
17701	2.1	2.0
17709	2.0	1.8
MEAN	2.2	1.9
SD	0.13	0.12
N	6	6

Study Report for Clinical Chemistry

**INDIVIDUAL ANIMAL REPORT BY GROUP
PERIOD: TERMINAL**

STUDY ID: ARGUS #418-027

STUDY NO: 060-063

SEX: FEMALE

Animal ID	GLOB g/dL	A/G
		none

GROUP: 4-F

17685	2.3	1.8
17689	2.5	1.7
17692	1.5	2.6
17691	2.4	1.7

MEAN	2.2	2.0
SD	0.46	0.44
N	4	4

Study Report for Clinical Chemistry

**SUMMARY REPORT
PERIOD: TERMINAL**

STUDY ID: ARGUS #418-027

SEX: MALE

STUDY NO: 060-063

TEST(s): UNITS:	TP g/dL	ALB g/dL	GLU mg/dL	CHOL mg/dL	T-BIL mg/dL	BUN mg/dL	CREAT mg/dL	ALT U/L	AST U/L
Group: 1-M									
MEAN	6.3	4.0	159	56	0.1	12	0.3	38	88
SD	0.29	0.16	11.0	11.9	0.00	1.6	0.05	2.3	3.4
N	5	5	5	5	5	5	5	5	5
Group: 2-M									
MEAN	6.3	4.1	184	52	0.1	14	0.3	43	86
SD	0.34	0.15	23.9	5.3	0.00	2.3	0.04	1.6	10.2
N	5	5	5	5	5	5	5	5	5
Group: 3-M									
MEAN	6.2	4.1	156	49	0.1	13	0.3	47	96
SD	0.29	0.21	12.7	5.5	0.00	1.3	0.04	4.2	5.7
N	5	5	5	5	5	5	5	5	5
Group: 4-M									
MEAN	6.3	4.2	108	29	0.1	17	0.4	48	102
SD	0.16	0.43	11.5	8.2	0.00	5.9	0.09	6.5	8.3
N	5	5	5	5	5	5	5	5	5

Study Report for Clinical Chemistry

**SUMMARY REPORT
PERIOD: TERMINAL**

STUDY ID: ARGUS #418-027

SEX: MALE

STUDY NO: 060-063

TEST(s):	ALP	CA	PHOS	TRIG	NA	K	CL	GLOB	A/G
UNITS:	U/L	mg/dL	mg/dL	mg/dL	mmol/L	mmol/L	mmol/L	g/dL	none
Group: 1-M									
MEAN	107	11.1	8.5	72	148	5.7	96	2.2	1.8
SD	27.4	0.37	0.87	22.2	1.5	0.51	1.8	0.18	0.15
N	5	5	5	5	5	5	5	5	5
Group: 2-M									
MEAN	108	11.4	9.7	59	147	6.2	98	2.3	1.8
SD	28.6	0.38	2.45	13.1	2.9	1.01	2.9	0.26	0.21
N	5	5	5	5	5	5	5	5	5
Group: 3-M									
MEAN	116	11.4	9.4	66	148	6.5	100	2.1	2.0
SD	23.4	0.29	0.90	23.2	0.8	0.49	2.2	0.20	0.22
N	5	5	5	5	5	5	5	5	5
Group: 4-M									
MEAN	123	11.3	10.0	31	148	6.5	99	2.1	2.0
SD	20.0	0.14	1.51	9.5	2.8	0.80	2.9	0.41	0.49
N	5	5	5	5	5	5	5	5	5

Study Report for Clinical Chemistry

SUMMARY REPORT
PERIOD: TERMINAL

STUDY ID: ARGUS #418-027
STUDY NO: 060-063

SEX: FEMALE

TEST(s):	TP	ALB	GLU	CHOL	T-BIL	BUN	CREAT	ALT	AST
UNITS:	g/dL	g/dL	mg/dL	mg/dL	mg/dL	mg/dL	mg/dL	U/L	U/L
Group: 1-F									
MEAN	6.5	4.2	125	52	0.1	20	0.4	60	100
SD	0.45	0.30	26.9	11.8	0.05	3.6	0.04	7.4	9.1
N	5	5	5	5	5	5	5	5	5
Group: 2-F									
MEAN	6.5	4.2	138	61	0.1	18	0.3	57	94
SD	0.61	0.25	6.6	7.5	0.04	3.3	0.09	13.0	18.8
N	5	5	5	5	5	5	5	5	5
Group: 3-F									
MEAN	6.2	4.1	124	58	0.1	19	0.3	62	117
SD	0.44	0.33	27.4	14.5	0.00	3.3	0.04	13.3	20.0
N	6	6	6	6	6	6	6	6	6
Group: 4-F									
MEAN	6.3	4.1	114	57	0.1	21	0.4	94	120
SD	0.59	0.14	28.1	12.9	0.05	2.5	0.08	7.4	23.8
N	4	4	4	4	4	4	4	4	4

Study Report for Clinical Chemistry

**SUMMARY REPORT
PERIOD: TERMINAL**

STUDY ID: ARGUS #418-027

SEX: FEMALE

STUDY NO: 060-063

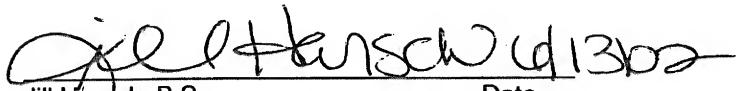
TEST(s): UNITS:	ALP U/L	CA mg/dL	PHOS mg/dL	TRIG mg/dL	NA mmol/L	K mmol/L	CL mmol/L	GLOB g/dL	A/G none
Group: 1-F									
MEAN	63	11.8	9.3	56	143	6.7	97	2.3	1.8
SD	19.5	0.37	0.13	12.5	2.1	0.37	3.0	0.19	0.11
N	5	5	5	5	5	5	5	5	5
Group: 2-F									
MEAN	51	11.7	8.1	57	142	6.4	98	2.4	1.8
SD	9.5	0.54	0.85	22.2	1.1	0.74	1.2	0.38	0.20
N	5	5	5	5	5	5	5	5	5
Group: 3-F									
MEAN	54	11.5	8.8	48	143	6.7	101	2.2	1.9
SD	23.0	0.31	1.54	22.2	1.0	0.51	1.8	0.13	0.12
N	6	6	6	6	6	6	6	6	6
Group: 4-F									
MEAN	87	11.9	9.5	66	140	6.7	98	2.2	2.0
SD	28.5	0.66	0.50	10.6	2.1	0.22	2.9	0.46	0.44
N	4	4	4	4	4	4	4	4	4

QUALITY ASSURANCE STATEMENT

Study Number: 418-027
Redfield Study Number: 060-063

This study has been inspected and audited by the Quality Assurance Unit (QAU) as required by the Good Laboratory Practice (GLP) regulations promulgated by the U.S. Food and Drug Administration or U.S. Environmental Protection Agency or other international regulations, as required. The following is a record of the dates that audits/inspections were performed and reported by the QAU.

DATE OF AUDIT/INSPECTION	TYPE OF AUDIT/INSPECTION	DATES REPORTED TO STUDY DIRECTOR AND MANAGEMENT
05/17/02, 05/20/02	Clinical Pathology	05/20/02

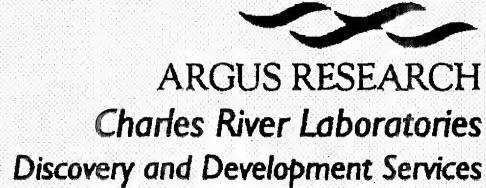
APPROVED BY:

Jill Harsch, B.S.
Quality Assurance Auditor
Redfield Laboratories

Date

APPENDIX L
STATEMENT OF THE STUDY DIRECTOR

905 Sheehy Drive, Bldg. A
 Horsham, PA 19044
 Telephone: (215) 443-8710
 Telefax: (215) 443-8587

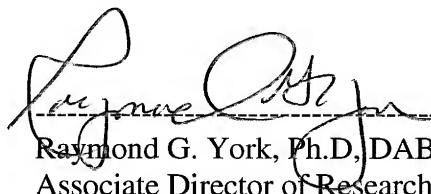


PROTOCOL 418-027: ORAL (Gavage) COMBINED REPEATED DOSE TOXICITY STUDY OF T 7599.7 WITH THE REPRODUCTION/ DEVELOPMENTAL TOXICITY SCREENING TEST

SPONSOR'S STUDY NUMBER: T-7599

STATEMENT OF THE STUDY DIRECTOR

This final report accurately reflects the raw data obtained during the performance of the study. No deviations from the U.S. Food and Drug Administration (FDA) Good Laboratory Practice Regulations; Final Rule^a, the Japanese Ministry of Health and Welfare (MHW) Good Laboratory Practice Standard for Safety Studies on Drugs^b, the Organisation for Economic Co-operation and Development (OECD), the Revised OECD Principles of Good Laboratory Practices^c and the Organisation for Economic Co-operation and Development (OECD), The OECD Guideline for Testing of Chemicals^d occurred that affected the quality or integrity of the study.

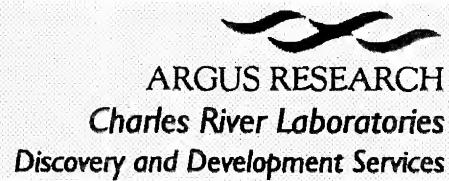

 Raymond G. York, Ph.D., DABT Date
 Associate Director of Research
 Study Director
 Argus Research

25 MAR 2003

-
- a. U.S. Food and Drug Administration. Good Laboratory Practice Regulations; Final Rule. 21 CFR Part 58.
 - b. Japanese Ministry of Health and Welfare (1997). Good Laboratory Practice Standard for Safety Studies on Drugs, MHW Ordinance No. 21, March 26, 1997.
 - c. Organisation for Economic Co-operation and Development (1998). The Revised OECD Principles of Good Laboratory Practices [C(97)186/Final].
 - d. Organisation for Economic Co-operation and Development (1996). OECD Guideline for Testing of Chemicals. Section 4, No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test, adopted 22 March 1996.

APPENDIX M
QUALITY ASSURANCE STATEMENT

905 Sheely Drive, Bldg. A
Horsham, PA 19044
Telephone: (215) 443-8710
Telefax: (215) 443-8587



QUALITY ASSURANCE STATEMENT

Argus Protocol: 418-027

Sponsor's Study Number: T-7599

Study Director: Raymond G. York, Ph.D., DABT

The protocol, critical phases, raw data and final report were inspected by the Quality Assurance Unit (QAU), to assure conformance with:

Organisation for Economic Co-operation and Development (1998). The Revised OECD Principles of Good Laboratory Practices [C(97)186/Final].

U.S. Food and Drug Administration. Good Laboratory Practice Regulations; Final Rule. 21 CFR Part 58.

Japanese Ministry of Health and Welfare (1997). *Good Laboratory Practice Standard for Safety Studies on Drugs*, MHW Ordinance Number 21, March 26, 1997.

The undersigned indicate that the report is an accurate representation of the raw data. Data provided by the Sponsor or a subcontractor were not audited by the Argus Research Quality Assurance Unit.

The QAU inspection and report audit dates are listed below:

<u>Inspection Phase</u>	<u>Inspection Date(s)</u>	Date(s) Findings Submitted to Study Director	Date(s) Findings Submitted to Management
Protocol	12 FEB 02 15 FEB 02	12 FEB 02 15 FEB 02	12 FEB 02 15 FEB 02
TS Administration	22 FEB 02	22 FEB 02	22 FEB 02
TS Preparation	28 FEB 02	28 FEB 02	28 FEB 02
Motor Activity	20 MAR 02	20 MAR 02	20 MAR 02
FOB ¹	20 MAR 02	01 APR 02	01 APR 02
Natural Delivery/ Litter Observations	27 MAR 02	27 MAR 02	27 MAR 02
Blood Collection	04 APR 02	19 APR 02	19 APR 02
Dam/Litter Sacrifice	04 APR 02	19 APR 02	19 APR 02
Male Sacrifice-			
Raw Data Check	01 AUG 02	01 AUG 02	01 AUG 02
In-Life Data	17-19, 22-24 JUL 02	24 JUL 02	24 JUL 02
Necropsy Data	18, 22 JUL 02	23 JUL 02	23 JUL 02
Formulations Data	03, 31 JUL 02	31 JUL 02	31 JUL 02
Report Tables	26-30 JUL 02	30 JUL 02	30 JUL 02
Report Text	25-26 JUL 02 30 JUL 02 01 AUG 02	26 JUL 02 30 JUL 02 01 AUG 02	26 JUL 02 30 JUL 02 01 AUG 02

¹Functional Observational Battery

Cynthia Melsch 25 Mar 03 *Maureen O'Brien* 25 MAR 03

<i>for</i> Matthew J. Vaneman, B.S. Manager of Regulatory Compliance	Date	Maureen O'Brien, B.S. Quality Assurance Associate and Principal Auditor	Date
---	------	---	------